Vern Six

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PRINCIPAL SOFTWARE ENGINEER

Enterprise software architect and hands-on developer with 27+ years of experience delivering scalable, high-performance applications. More than an architect, I design, build, and code daily, blending deep technical expertise with business-savvy problem-solving. Areas of focus include application development, complex API integrations, transportation and logistics systems, ERP platforms, IoT solutions, AI-powered platforms, and enterprise-scale CMS implementations.

Extensive background in the LAMP stack (Linux, Apache, MySQL, PHP), including the creation of multiple MVC frameworks (most recently the Primordyx PHP MVC Framework) and hands-on use of nearly every major open-source framework.

Experienced in **AI integration and infrastructure**, including building dedicated Ollama-powered AI servers to support customer service automation, knowledge retrieval, and workflow optimization. Advanced Linux systems administration skills to support robust infrastructure management, performance optimization, and secure cloud operations.

Highly skilled in custom API integrations across Salesforce, Pardot, HubSpot, USPS, healthcare, and insurance systems, with a strong foundation in security architecture, data integrity, and analytics-driven development.

KEY STRENGTHS & TECHNICAL EXPERTISE

- **Application Development & Framework Expertise** – 27+ years of full-stack development in PHP, Python, and JavaScript. Creator and lead architect of the Primordyx PHP MVC Framework, with additional experience in Laravel, CodeIgniter, Slim, Kohana and many other popular frameworks.. Skilled in building scalable business applications, custom tooling, and developer-friendly APIs.

- **CMS Platforms & Plugin Development** – Extensive experience with WordPress, CraftCMS, Joomla, and Drupal, including development of numerous custom plugins, modules, and integrations to extend platform capabilities and meet complex business requirements.

- **AI & Emerging Technologies** – Applied LLM infrastructure (Ollama) in production, building dedicated AI servers for customer service automation, knowledge-base retrieval, and workflow optimization. Experienced in integrating AI tools into real-world systems to reduce manual workload and increase scalability.

- **API Development & Integration Specialist** – Designed and integrated APIs for Salesforce, Pardot, HubSpot, USPS, healthcare systems (Waystar, Change Healthcare), insurance billing platforms, and IoT devices. Deep expertise in middleware engineering and complex cross-system data synchronization.

- **ERP, Logistics & Manufacturing Systems** – Built and integrated ERP modules and TMS platforms (CargoWise, Sage, 3gTMS, QuickBooks) for supply chain and manufacturing optimization, including real-time tracking, route optimization/planning, and cross-system data flow.

- **Data Analytics & Observability** – Designed audit-friendly, event-sourced systems and real-time dashboards for logistics, fundraising, and business intelligence.

- **Compliance & Security** – Strong background in USPS, healthcare, and financial compliance. CISO-level knowledge of IAM, OAuth/SAML, access control, and operational security, with hands-on experience embedding compliance into custom platforms.

- **Database & Data Management** – Highly proficient in MySQL, MS-SQL, MongoDB, PostgreSQL and EventStoreDB, ensuring high-performance, auditable systems with strong data integrity.

- **Cloud, DevOps & Infrastructure** – Extensive experience with AWS, Azure, GCP, Docker, and serverless architectures. Skilled in Ubuntu systems administration, performance tuning, and deployment automation.

- **eCommerce & Payment Solutions** – Deep experience with WooCommerce, Magento, and custom eCommerce builds, including payment gateway integrations (Stripe, PayPal, Authorize.Net, Square).

- **Technical Leadership & Cross-Team Collaboration** – Technical Leadership & Collaboration – Proven ability to bridge engineering, product, and business teams, delivering scalable, fault-tolerant systems aligned to strategic goals.

TECHNOLOGY PROFICIENCIES

Programming & Scripting: PHP, Python, JavaScript, NodeJS, Vue.js, Tailwind, Bootstrap — with extensive experience crafting full-stack business applications, custom tooling, and developer-friendly APIs. Adept at translating complex business needs into scalable and maintainable codebases using modern LAMP-based workflows.

Frameworks: Primordyx PHP MVC Framework, Laravel, CodeIgniter, Slim, Kohana, Ollama (LLM/AI server infrastructure), EventStoreDB.

CMS Platforms: WordPress, CraftCMS, Joomla, Drupal — including extensive custom plugin, module, and integration development.

API Development & Integration: REST, GraphQL, SOAP, SOA — with deep integration experience across Salesforce, Pardot, HubSpot, USPS, healthcare, insurance, logistics, and IoT systems.

Cloud: AWS, GCP, Azure, Docker, Docker Compose, Serverless — with advanced Ubuntu systems administration, performance tuning, and deployment automation.

Database: MySQL, PostgreSQL, MS-SQL, PostgreSQL, Oracle, MongoDB

Tools & Development Workflow: Git, GitHub, Bitbucket, CI/CD pipelines, PHPStorm, VS Code, Postman, Xdebug, PHPUnit.

Payment & eCommerce: Square, Stripe, PayPal, Authorize.Net, WooCommerce, Magento (including numerous custom payment APIs)

ERP, Logistics & IoT: Sage, QuickBooks, 3gTMS, CargoWise, NimbeLink, GPS tracking, route optimization.

Healthcare & Insurance: Waystar, Change Healthcare, Salesforce, Pardot, HubSpot

Security & Identity Management: Okta, OAuth, SAML, IAM, USPS compliance, CISO-level architecture practices.

Infrastructure: Apache, Nginx, Ubuntu, RedHat

LMS & eLearning: Moodle, SCORM, Learning Path Development

Circle 6 Maildrop
April 2025 - Present
Lead Developer & Architect

Lead developer and architect for Circle 6 Maildrop, designing and building the platform end-to-end using the Primordyx PHP MVC Framework. Architected system design, implemented API integrations, and managed infrastructure to deliver a secure, USPS-compliant virtual mailbox service that reduced manual handling, accelerated onboarding, and improved customer satisfaction through automation and streamlined workflows.

- *System Architecture & Development:* Engineered the entire software platform, including core business logic, customer portal, and backend services.
- *AI-Driven Support Automation:* Engineered a dedicated Ollama-powered AI server to deliver LLM-driven services, including customer support automation, knowledge-base retrieval, and real-time assistance seamlessly integrated into the production platform.
- *Infrastructure & API Integration:* Developed and maintained hosting, deployment, and API integrations to ensure smooth mail forwarding operations.
- *Regulatory Compliance:* Integrated with USPS systems and ensured compliance with postal regulations and certification requirements.
- *Data Integrity & Security:* Built security and compliance measures into the framework, safeguarding sensitive customer data.

Improving (Client: Fahlgren Mortine / State of Ohio)
October 2024 – July 2025
Principal Consultant - API Integration Expert

Currently on contract as a Principal Developer at Fahlgren Mortine, focusing on the JobsOhio.com platform—a collection of large-scale WordPress sites central to Ohio's economic development initiatives.

- *Principal Developer for JobsOhio.com:* Contribute to the development and maintenance of JobsOhio.com, a network of large-scale WordPress sites supporting economic development efforts in Ohio.
- *API Integration Expert:* Implement and refine WordPress API solutions to facilitate seamless data exchange and enhance site functionality.
- *Pardot (Salesforce) Integration:* Developing Gravity Forms integrations with Pardot for enhanced marketing automation and lead tracking.
- *WordPress Optimization:* Support the performance, scalability, and security of a high-traffic WordPress platform, ensuring robust user experiences.
- *Collaborative Development:* Work closely with cross-functional teams at Fahlgren Mortine to align technical solutions with strategic goals and marketing initiatives.
- *Technical Skills:* PHP, WordPress, API development, Gravity Forms, Salesforce Pardot, cloud infrastructure, deployment automation.

Innovation Solved (Client: Rotech Healthcare, Inc.)
March 2024 - September 2024
Principal Software Engineer and Healthcare API Integration Expert

Designed and developed modernized patient eligibility and billing systems for Rotech Healthcare, improving accuracy, efficiency, and scalability to optimize revenue cycle management and streamline operations.

- *Payment Systems Integration:* Led the transformation of key payment systems and insurance billing, ensuring seamless API integrations for efficient operations.
- *Module Migration:* Spearheaded the migration of durable medical equipment patient eligibility modules from Change Healthcare to Waystar, ensuring a seamless transition and improved system performance.
- *System Enhancement:* Enhanced an outdated system initially developed with PHP MVC frameworks Kohana and CodeIgniter using Twig for templating, integrating with Waystar to enable multiple-month prescription dispensing and billing.
- *Technical Skills:* Utilized PHP (Kohana and CodeIgniter frameworks) and Twig for system enhancements, implemented API integrations for payment and eligibility checks, managed the migration of healthcare modules, and ensured compliance with healthcare regulations.

Purpose Brew Coffee
January 2021 – Present
Chief Architect/Developer

Designed and implemented a WooCommerce-based eCommerce platform for a nationwide fundraising program, integrating secure payment gateways (Stripe, PayPal, Authorize.Net) with support for subscriptions and automated order fulfillment. Built custom WordPress API integrations to trigger real-time alerts for the production department, update inventory, and synchronize order data with shipping and CRM systems—ensuring fast, accurate processing from sale to delivery. Created all AI-driven graphic design for the company's web presence and marketing, and integrated AI tools into daily operations to streamline content creation, reporting, and customer communications.

Built Purpose Brew Coffee's e-commerce platform, creating a scalable, zero-cost fundraising solution that empowers non-profits through white-labeled coffee sales.

- *System Architecture & Automation:* Designed and implemented a custom eCommerce infrastructure, integrating WooCommerce, automated order processing, and subscription management.
- *API Integration & Scalability:* Led end-to-end system architecture, ensuring platform scalability, seamless API integrations, and operational efficiency.
- *Logistics & Supply Chain Optimization:* Managed logistics and supply chain workflows, optimizing order fulfillment and customer retention strategies.
- *Data & Business Intelligence:* Automated sales and reporting dashboards, providing non-profits with real-time analytics on fundraising performance.
- *Technical Skills:* Utilized PHP (Laravel MVC Framework), WordPress, API development, WooCommerce, cloud infrastructure, deployment automation.

Customer Paradigm (Client: Watchpoint Logistics, Inc.)
June 2020 - February 2024
Principal Software Engineer and API Integration Specialist

Designed and implemented mission-critical TMS web portal for real-time international cargo tracking, seamlessly integrating CargoWise SaaS with NimbeLink IoT devices to maximize visibility, streamline logistics, and drive unparalleled operational efficiency.

- *Logistics Optimization:* Designed advanced logistics solutions, including route planning algorithms that improved delivery efficiency and integrated TMS capabilities to optimize shipment scheduling, reduce transportation costs, and enhance overall supply chain performance.
- *Middleware Engineering:* Engineered middleware to integrate with multiple TMS platforms, streamlining logistics processes and ensuring real-time data synchronization across systems, improving visibility and decision-making.
- *SaaS Custom Development:* Developed a web portal for tracking existing international shipments, implementing event sourcing to capture and replay shipment events for enhanced data integrity and auditability.
- *IoT Integration:* Leveraged Nimbelink IoT location tracking for real-time visibility, employing event sourcing to process and store state changes for precise tracking and historical data analysis.
- *Data Automation:* Developed automated systems for validating and transforming logistics data, ensuring accurate tracking information and compliance with regulatory standards.
- *Team Leadership:* Led team of developers and contractors, ensuring effective collaboration and project execution.
- *Server Administration:* Managed Linux server administration and expanded the system to include Sage Accounting integration, enhancing financial visibility and reporting.
- *Technical Skills:* Utilized PHP and Python for backend development, Magento for eCommerce, employed event sourcing for data integrity, integrated TMS solutions, and leveraged CargoWise for improved logistics management, along with managing Linux servers for operational efficiency.

AndraGroup, Inc
November 2019 - November 2020
Principal Software Engineer and eCommerce Integration Expert

Designed and developed the architecture for one of world's largest online apparel retailers, HerRoom.com and HisRoom.com, led the complex migration to the Magento eCommerce platform to enhance scalability, performance, and operational efficiency.

- *Magento Migration:* Orchestrated the migration to Magento, managing design, development, and implementation.
- *Middleware Development:* Developed and deployed a middleware system for smooth data flow between dissimilar systems.
- *API Integration:* Created API integrations with Magento and a Sales Tax Compliance provider for accurate data flow and regulatory compliance, while implementing RabbitMQ for improved communication.
- *Data Automation:* Utilized automation processes for data validation and transformation, ensuring accurate data flow and compliance with regulatory standards.
- *Team Leadership:* Led a cross-functional team of developers, coordinating efforts between internal teams, local outsourcers, and offshore contractors to ensure seamless project execution.
- *Technical Skills:* Utilized PHP (Laravel MVC Framework) and Python for backend development, applied event sourcing for data integrity, employed RabbitMQ for messaging solutions, managed Linux servers for security and compliance, and integrated API solutions for effective communication and regulatory adherence.

The Shade Store, Inc
June 2019 - December 2019
Principal Software Engineer and Team Lead

Upgraded the company's custom eCommerce platform with seamless payment gateway integration, enhancing security, transaction efficiency, and user experience to drive higher conversion rates.

- *Platform Overhaul:* Engineered a comprehensive platform overhaul, enhancing scalability.
- *Payment Gateway Implementation:* Led implementation of major payment gateways (Braintree, PayPal, Authorize.net, Stripe.com).
- *Compliance and Security Initiatives:* Spearheaded compliance and security initiatives to meet industry standards.
- *Payment Process Optimization:* Optimized payment processes, boosting system efficiency.
- *Cross-Functional Collaboration:* Fostered collaboration across teams to align technology with business objectives.
- *Technical Skills:* Utilized PHP for backend development, implemented custom payment solutions, integrated multiple payment gateways (Braintree, PayPal, Authorize.net, Stripe.com), and ensured compliance with industry standards while optimizing eCommerce platform performance.

Corsicana Mattress Company, Inc
January 2018 – June 2019
Principal Systems Architect and Lead Software Engineer

Principal architect and TMS SME that led engineering of a cutting-edge logistics system for the 4th largest mattress manufacturer in the U.S., transforming supply chain efficiency, optimizing distribution workflows, and enhancing operational scalability. Built custom CraftCMS plugins and Twig views as initial MVP for customer portal development.

- *TMS Integration:* Led the integration of a Transportation Management System (TMS) to optimize logistics operations and enhance supply chain efficiency through event sourcing.
- *Customer Portal Development:* Developed a B2B customer portal that streamlined order processing and improved user experience.
- *Data Automation:* Automated data processing tasks to support TMS functionalities and enhance reporting capabilities.
- *Hands-On System Development:* Architected and actively participated in the development of the entire system, leading teams both in the U.S. and overseas to ensure alignment with business goals and operational needs.
- *Technical Skills:* Utilized Docker for containerization, Twilio for communication solutions, Okta for identity management, and implemented PHP and Python for backend development and API integration. Managed Linux servers in a Microsoft Azure cloud environment.

The Conservative Institute, Inc
June 2017 – January 2018
Principal Software Engineer

Led design and deployment to elevate the online presence of a major news organization by driving transformative digital initiatives that enhanced performance, engagement, and scalability.

- *Website Integration:* Led the design, development, and deployment of website integration for a prominent conservative news organization, utilizing modern web technologies.
- *API Integration:* Successfully interfaced with numerous third-party microservice APIs, including Twilio, Boomtrain, Mailchimp, OneAuth, Okta, AimTell, PushLeverage, Facebook, Twitter, and CloudFlare, enhancing the platform's functionality and user experience.
- *Automation Development:* Developed Python scripts for automating interactions with third-party APIs, improving the efficiency and reliability of data exchange between the platform and external services.
- *A/B Testing Implementation:* Implemented a comprehensive A/B Testing module for the WordPress site, enabling effective testing and optimization of content and marketing strategies.
- *Custom Plugin Development:* Developed customized plugins and add-ons for WordPress, tailoring solutions to the specific needs of the client, including extensive MySQL database design and tuning for optimal performance.
- *Database Management:* Managed MySQL databases, ensuring robust performance through effective tuning, automated backups, and data migration strategies.
- *Server Maintenance:* Maintained Linux servers, ensuring security patches were applied as needed and contributing to the overall security and stability of the organization's online infrastructure.
- *Technical Skills:* Utilized PHP (Laravel MVC Framework), Node.js, and Python for backend development, interfaced with various third-party APIs, implemented A/B testing strategies, developed WordPress plugins, and managed Linux server administration.

Hospice Source, LLC
March 2016 – May 2017
Senior Software Engineer, Chief Technical Officer

Assumed CTO responsibilities to enhance the success of a major Hospice Durable Medical Equipment (DME) company by developing and implementing technology solutions that improved efficiency, scalability, and operational effectiveness. Initially using CraftCMS; developed numerous custom plugins to accomplish business needs.

- *Logistical Management System:* Spearheaded the creation of a new logistical management system to ensure timely delivery of medical equipment to patients, managing drivers and deliveries across a substantial patient census of over 30,000.
- *AWS Migration:* Developed and executed a comprehensive AWS migration plan, leveraging cloud infrastructure to enhance scalability, reliability, and overall system performance.
- *Database System Development:* Pioneered the creation of a sophisticated database system using MySQL, streamlining operations and consolidating data for improved efficiency.
- *Data Automation:* Automated complex data processing tasks, including data migration and integration between the logistics management system and various external services.
- *Microservices Collaboration:* Collaborated with various microservices, including vehicle tracking, credit card processing, and interfacing with accounting systems, to enhance the functionality and capabilities of the overall system.
- *Leadership Role:* Served as Chief Technology Officer, overseeing the design, development, and maintenance of existing systems while leading a team of software engineers.
- *Technical Skills:* Utilized PHP (Laravel MVC Framework) for backend development, designed and managed MySQL databases, implemented logistical solutions for DME delivery management, and applied automation for data processing and integration. Deployed applications in the AWS cloud for enhanced scalability and reliability.

Mosaic Learning, LLC
October 2015 – September 2016
Principal Software Engineer

Accelerated the growth and success of an eLearning company by developing and optimizing LMS platforms, including Moodle, to enhance scalability, user engagement, and learning outcomes.

- *LMS Development:* Specialized in LMS-type systems, particularly Moodle, and developed numerous plugins and enhancements to optimize functionality and user experience, including interactive quizzes, enhanced course navigation, and personalized learning paths.
- *Cross-Functional Collaboration:* Collaborated closely with cross-functional teams to translate client requirements into innovative software solutions.
- *Scalable Solutions:* Delivered scalable and efficient solutions tailored to meet the unique needs of clients in the eLearning industry, demonstrating expertise in software development and system design.
- *Technical Skills:* Utilized PHP (Moodle) for development, designed and managed databases, implemented eLearning enhancements, and ensured optimal performance of LMS solutions.

VOLUNTEERING & LEADERSHIP

Amateur Radio Emergency Service • 01/2014 - Present
Assistant Emergency Coordinator
The Amateur Radio Emergency Service® (ARES) consists of licensed amateurs who have voluntarily registered for communications duty in the public service when disaster strikes.

The Sisters of Martha and Mary - City of Joy Orphanage, Esquipulas, Guatemala • 01/2009 - 08/2011
Full Time Missionary living in Guatemala
Lived in Guatemala as a full-time missionary, helping build an orphanage that currently houses 81 children.

"What's up with Six?" YouTube Channel • 01/2020 - Present
Content Creator
Co-create and host content exploring software development, amateur radio, electronics, and life at Circle 6 Ranch, fostering a community of tech enthusiasts and rural lifestyle aficionados.