Giovanni Venegas

Senior Full Stack Engineer | Next.js • Vercel • Unqork Solutions • AI Integrations
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SUMMARY

Accomplished **Senior Full Stack Engineer & Solutions Architect** with over **13 years** of experience **architecting innovative, secure web solutions** for elite government agencies, global insurers, and Fortune 500 firms. Expert in **Next.js**, **React**, and **Vercel** deployments, proficient in **Python**, **PHP**, **Node.js**, and **Unqork** no-code platforms. Implements **LLM-based API integrations** to drive automation, scalability, and user engagement. Holds **top security clearances**, delivering **PCI-DSS**, **HIPAA**, and **Section 508**-compliant systems under rigorous standards. Transforms legacy CMS (Drupal, Magento, WordPress) into cutting-edge, **cloud-native architectures**, blending technical mastery with strategic vision. **Bilingual (English/Spanish)** and recognized for leadership in mission-critical deliveries across complex domains.

CORE COMPETENCIES

- **Front-End & Frameworks:** Next.js (SSR, SSG, ISR), React (Hooks, Context), TypeScript, JavaScript (ES6+), Angular; Drupal, Magento, WordPress (modules, plugins, themes); Responsive Design, Tailwind CSS, GraphQL (Apollo), RESTful APIs
- **Back-End & AI:** Python (Flask, FastAPI), PHP (Laravel, custom), Node.js (Express, Nest.js); LLM Integrations (API-driven ML, automation); Microservices, Event-Driven Architecture, CQRS, Serverless
- **No-Code Architecture:** Unqork (workflow automation, dynamic forms, enterprise integrations); Rapid no-code/low-code scalability
- **Security & Compliance:** Top Secret Clearance; PCI-DSS, HIPAA, Section 508, OWASP Top 10, OAuth 2.0, JWT; Payment Gateways (Stripe, Braintree, PayPal, Apple Pay); Secure Coding, Threat Modeling
- **Cloud & DevOps:** Vercel, AWS (Lambda, EC2, ECS), Azure (App Service), Docker, Kubernetes; CI/CD (GitHub Actions, Jenkins), Automated Testing (Jest, Cypress, PHPUnit); Performance Optimization, IaC

- **Agile & Tools:** Agile/Scrum Master capabilities; Jira (sprint planning, backlog grooming, velocity tracking); Team facilitation
- **Leadership:** Technical architecture, mentoring, cross-functional coordination; Code reviews, solution design

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PROFESSIONAL EXPERIENCE

Auxo Solutions – Senior Full Stack Engineer & Solutions Architect

February 2024 – Present | Remote

- **Architected** Next.js and Unqork-based solutions for major financial and insurance clients (UBS, New York Life, Axis Mojo, Aetna, Prudential, MetLife, Travelers).
- Integrated **advanced LLM APIs** (OpenAI) to power AI-driven workflows, enhancing throughput and responsiveness.
- Developed **Python (FastAPI)** and **PHP (Laravel)** microservices with Unqork modules for seamless data pipelines, custom quote generation, and policy issuance workflows.
- Deployed **serverless functions** on Vercel's edge runtime, implementing robust RBAC (JWT authentication) to ensure security and scalability.
- Led a cross-functional developer team, aligning solutions with client goals via Jira task management.

Accenture Federal – Senior Software Developer / Integration Engineer

June 2019 – Present | Los Angeles, CA

- Built **secure Next.js/React** applications for agencies like TSA,IRS, USDA, NIC, JAIC, DeCA, and DOS, under **top security clearances**.
- Spearheaded **Drupal modernization** (Drupal 7 → 11), implementing **headless** architectures using Next.js and optimizing system integrations.
- **Integrated LLM APIs**, reducing manual data handling by **35%** across multiple agency platforms.
- Developed **Python/Node.js microservices** on AWS (Lambda, ECS) with zero downtime, meeting strict compliance (PCI-DSS, HIPAA, Section 508).
- Utilized **Unqork** to prototype no-code solutions, improving workflow efficiency by **20%** via Jira-managed development cycles.

Mint Ultra Mobile – Senior Software Developer

March 2021 – January 2024 | Costa Mesa, CA

- Led the transformation of WordPress e-commerce sites into a headless architecture, utilizing Next.js front ends on Vercel and integrating SQL, MongoDB, and WordPress back ends for seamless full-stack performance and HIPAA compliance.
- Developed secure, PCI-compliant payment gateways (Stripe, Braintree, applepay) with PHP and Node.js, ensuring reliable transaction processing for daily e-commerce operations.
- Managed Agile full-stack development, overseeing front-end and back-end workflows with streamlined CI/CD pipelines using Jest and Cypress testing for consistent, high-quality releases.
- Coordinated team efforts with Jira, guiding developers through an Agile process to enhance collaboration and delivery efficiency.

HELM – Lead Drupal Developer

June 2019 – April 2021 | Plymouth, MI

- Led full-stack development for Magento e-commerce websites and Drupal CMS platforms across multiple clients, integrating LLM-powered recommendation engines with Python APIs to enhance user engagement and personalize customer experiences.
- Spearheaded migrations from Magento to Drupal 8/9 for e-commerce and CMS sites, implementing server-side rendering (SSR) and optimizing front-end and back-end workflows for improved SEO and site performance.
- Directed Agile development teams using Jira, driving collaboration, task prioritization, and seamless delivery of robust, scalable solutions for diverse client needs.

The Born Group – Senior Software Developer

July 2017 – May 2019 | New York, NY

- Developed full-stack Drupal and Magento websites for K&N Filters, Nestlé, Starbucks, and Intel, integrating APIs (e.g., Stripe, PayPal) for seamless CMS and e-commerce functionality, including secure payment processing and content management.
- Engineered tailored solutions with PHP and Node.js, optimizing front-end and back-end integrations for robust e-commerce platforms and dynamic CMS sites tailored to client needs.
- Led Agile development cycles using Jira, coordinating tasks and driving collaboration to deliver high-quality, client-focused websites with efficient workflows.

MDX Health – Senior Software Developer

December 2014 – June 2017 | Irvine, CA

- Developed a HIPAA-compliant Drupal system enabling physicians to connect and securely share prostate cancer results with speed and clarity, integrating APIs for real-time data exchange and physician collaboration.
- Collaborated with lab scientists and the legal department to architect the MDX main website and a comprehensive medical management platform, ensuring HIPAA-compliant workflows and robust, secure data handling for patient records.
- Engineered a full-stack solution with PHP and Drupal, implementing PHPUnit testing and role-based access control (RBAC) to safeguard sensitive medical data and ensure Section 508 accessibility compliance.
- Led Agile development with Jira, coordinating cross-functional teams to streamline task management and deliver a secure, efficient healthcare platform.

(Earlier roles available upon request.)

EDUCATION

University of California, Davis

- **B.S., Computer Science & Engineering** (July 2007)

CERTIFICATIONS & ACHIEVEMENTS

- **Harvard CS50**: Core CS Fundamentals
- **Stripe JS Professional Developer**: Payment Integration Expertise
- **Unqork Certified Developer**: No-Code/Low-Code Proficiency
- **Top Security Clearances**: Secret / Top Secret (Agency-Specific)
- **Compliance Expertise**: PCI-DSS, HIPAA, Section 508

KEY HIGHLIGHTS

- **Government Expertise**: Delivered mission-critical solutions under top security clearances.
- **Full-Stack Mastery**: Python, PHP, Node.js, Next.js, and Unqork excellence.
- **AI Innovation**: LLM-driven automation for enhanced functionality.
- **Compliance Leadership**: PCI, HIPAA, Section 508 across sensitive domains.

- **Modernization**: Upgraded CMS to Next.js/Unqork systems for scalability.

References
Available upon request