

# Christian Kuri

Senior Full Stack Engineer – AI Integrations & Automation

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Senior Full Stack Engineer with 10 years of experience building scalable web applications, backend systems, and AI-powered automation workflows using TypeScript, Node.js, React, Java, and cloud infrastructure. I specialize in practical AI integrations, agentic workflows, and developer productivity systems, using tools like Cursor, Claude, Codex, ChatGPT, Vercel AI SDK, and n8n to build faster without sacrificing reliability. Strong background in API design, system migrations, event-driven architecture, microservices, and production-grade delivery.

## AI PROJECT - AI RESEARCH TO BLOG GENERATION PIPELINE

- Built a **multi-stage AI content generation pipeline** using **Vercel AI SDK**, turning a topic into a complete blog post through separate research, source analysis, summarization, outline generation, and final drafting stages.
- Designed the workflow around **staged execution, structured context passing, and intermediate output validation**, avoiding a single-prompt approach and making the system easier to debug, improve, and reuse.
- Implemented source filtering and summarization steps to improve **research quality, content accuracy, and final output consistency**, reducing the risk of hallucinated or weakly supported content.
- Separated the pipeline into reusable modules for **research, analysis, schema generation, and content generation**, improving maintainability and making it easier to extend with new content or publishing workflows.
- Focused on real product concerns including **prompt reliability, context-window management, cost control, source quality, and predictable structured outputs**.

## EXPERIENCE

### BuildOps | Senior Full Stack Software Engineer | May 2024 - April 2026 | 2Y

- Used **AI engineering** tools including **Cursor, Claude, Codex, and ChatGPT** in my daily workflow for code exploration, debugging, refactoring, documentation, architecture review, and implementation planning, **increasing measured productivity by up to 3x**.
- **Improved delivery speed and code quality** by treating AI as a productivity multiplier while maintaining full ownership of correctness, testing, security, and final engineering decisions.
- Architected and developed scalable, high-performance applications using JavaScript, TypeScript, and Node.js, supporting **100,000+ daily active users** and contributing to a more robust and efficient system.
- Spearheaded a critical database infrastructure migration, architecting the restructuring of a massive monolithic table into multiple optimized tables. This **reduced the primary table size by 25%** and **accelerated query execution speeds by up to 10x**, significantly improving overall system performance.
- Engineered and implemented multiple **Kafka listeners** for real-time database change data capture, processing **over 500,000 events daily** and enabling highly responsive, sub-second event-driven architectures.
- Developed robust Java consumers to process and integrate data streams from Kafka, enhancing data processing capabilities and **reducing data pipeline bottlenecks by an estimated 40%**.
- Successfully **reverse-engineered** and migrated **40+ highly complex legacy Node.js/TypeScript endpoints to Java**. Completely refactored the underlying logic, eliminating significant technical debt, drastically improving maintainability, and **accelerating API response times by 5x**.
- Utilized **feature flags** to ensure seamless rollouts and maintain backward compatibility during the migration process, achieving **100% zero-downtime deployments** and minimizing disruption for users.

### Knight Interactive | Senior Full Stack Software Engineer | July 2018 – August 2023 | 5Y 2M

- Architected, developed, and maintained **15+ dynamic websites and high-traffic web applications** using Node.js, React, Vue.js, TypeScript, and Tailwind CSS.
- Engineered and launched multiple secure, scalable admin panels using Tailwind and TypeScript, **reducing internal manual data entry time by over 50%**.
- Served as the **lead and sole developer** on various projects, taking **full ownership of the entire development lifecycle** from concept and architecture to deployment and maintenance for mission-critical client applications.
- Designed and implemented robust internal RESTful APIs and successfully integrated numerous third-party services, enhancing application functionality and maintaining **99.9% API reliability**.
- Spearheaded the **complete migration of a core application** from a legacy Laravel/PHP stack to a modern TypeScript/Node.js backend, resulting in a **60% faster page load time** and improvements in maintainability.
- Led the ground-up rewrite of a legacy e-commerce platform, modernizing the tech stack to dramatically improve security, stability, and speed, contributing to an estimated **45% increase in user conversions**.

### Bonk Studios | Mid-level Full Stack Software Engineer | February 2017 – July 2018 | 1Y 6M

- Maintained and enhanced a production-grade, cross-platform website built with PHP, Laravel, and Bootstrap 4, ensuring high availability and a seamless user experience for **thousands of monthly visitors**.
- Diagnosed and resolved complex performance bottlenecks, implementing targeted optimizations that **reduced average load times by 2+ seconds** and created a highly responsive UI.

### Freelance | Full Stack Software Engineer | January 2015 – February 2017 | 2Y 2M

- Engineered and maintained robust, production-grade SaaS and CRM applications for various clients using PHP and Laravel, delivering solutions that streamlined business processes.

## SKILLS

### Languages

TypeScript, JavaScript, Java, PHP, Solidity, Python

### AI / LLM / Automation

Vercel AI SDK, OpenAI APIs, Claude, Codex, Cursor, ChatGPT, AI Agents, Agentic Workflows, Prompt Orchestration, Structured Outputs, Function Calling, Tool Calling, Context Management, LLM Output Validation, n8n, Workflow Automation

### Backend Development

Node.js, Express, Next.js, Kafka, REST APIs, GraphQL, Microservices, Event-Driven Architecture, Queue-Based Systems, API Integrations

### Frontend Development

React, Vue.js, Astro, Tailwind CSS, Material UI, Bootstrap

### Databases & Search

PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, Prisma, TypeORM

### Cloud / DevOps

AWS, Docker, Kubernetes, GitHub Actions, Vercel, Terraform, CI/CD

### Testing

Jest, Cypress, Playwright, React Testing Library, Vitest

### Blockchain / Web3

Solidity, Hardhat, Truffle, Ethers.js, Web3.js, Smart Contract Auditing