

Donavan Jones

Full-Stack / Platform Engineer

Lakeland, FL | 20+ years software development experience

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SUMMARY

Full-stack engineer with 20+ years of development experience building web applications, SaaS platforms, CMS systems, and modern JavaScript-based systems. Experienced in designing and delivering production-grade applications using Vue, Nuxt, React, PHP, Python, and cloud infrastructure.

Strong background in system architecture, API design, database modeling, AI systems, and multi-role SaaS applications. Comfortable working across frontend, backend, data, and infrastructure layers with a focus on scalable, maintainable systems and real-world production environments.

Experienced in building AI-integrated applications, self-hosted infrastructure, and distributed system prototypes using modern cloud and local environments.

CORE SKILLS

Frontend

- JavaScript / TypeScript
 - Nuxt / Vue.js / React
 - Tailwind CSS
 - Component-based architecture
 - GSAP animations
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Backend

- Node.js
 - PHP 8+
 - Python
 - REST APIs
 - MySQL / PostgreSQL
 - Prisma ORM
 - Authentication systems & Role-Based Access Control (RBAC)
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Data / AI / Search Systems

- Retrieval-Augmented Generation (RAG) systems using Weaviate
 - PostgreSQL with Apache AGE
 - Redis (caching, queues, session state, real-time data handling)
 - MinIO (self-hosted S3-compatible storage systems)
 - AI system integration (LLMs, embeddings, tool use, agent workflows)
 - AI application architecture and workflow design
 - Local AI experimentation and inference optimization
 - Model workflow tuning and system integration testing
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Cloud / DevOps / Infrastructure

- AWS (S3, EC2, IVS)
 - Linux server administration (self-hosted environments)
 - Git / CI workflows
 - Docker (containerized services)
 - Kubernetes (home lab / experimental clusters)
 - Server architecture and deployment pipelines
 - Distributed system experimentation and service orchestration
 - Self-hosted infrastructure design and management
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System Design

- SaaS architecture
- Multi-tenant systems
- Scalable database design

- Event-driven architectures
 - Media streaming systems (WebRTC / AWS IVS)
 - AI-integrated application architecture
 - Distributed system and microservice experimentation
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INFRASTRUCTURE / HOMELAB

- Designed and built a personal server rack environment for self-hosted development and distributed systems experimentation
 - Runs multi-service infrastructure including databases, caching systems, object storage, and AI services
 - Self-hosted environment used to simulate production-scale architectures and workflows
 - Deployed and managed services including Redis, MinIO, vector databases, and backend APIs
 - Built and tested AI workflows including RAG pipelines and retrieval systems
 - Used homelab for experimentation with Kubernetes, networking, and service orchestration
 - Developed practical understanding of distributed systems, scalability, and infrastructure design patterns
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PROFESSIONAL EXPERIENCE

Amerus Financial Group — Web Developer

Lakeland, FL

- Built a production insurance enrollment SaaS platform using Nuxt and PostgreSQL
 - Designed multi-role system with employee, employer, and admin dashboards
 - Implemented secure onboarding flow using company-code based registration system
 - Integrated AWS S3 for file storage and asset management
 - Developed backend logic for business enrollment workflows and user provisioning
 - Worked directly with stakeholders to translate business requirements into production features
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Web Instinct — Web Developer

Tampa, FL

- Developed and maintained web applications using Concrete5 CMS
 - Built custom client portals with performance-focused frontend architecture
 - Created and extended WordPress themes and plugin functionality
 - Collaborated with cross-functional teams to deliver scalable web solutions
 - Performed debugging, testing, and performance optimization across multiple client projects
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Florida Water Analysis — Web Developer

- Built React-based web application for water treatment tracking and client management
 - Developed and maintained multiple business websites and landing pages
 - Implemented SEO strategies improving organic search performance
 - Built automation and content systems supporting business workflows
 - Managed digital campaign infrastructure and email marketing systems
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Footbridge Media — Junior Web Developer

Pensacola, FL

- Developed Laravel-based internal admin system for tracking client content workflows
 - Maintained and extended enterprise WordPress theme framework used across client sites
 - Worked with design and layout teams to implement frontend updates
 - Participated in team development planning and execution workflows
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SELECTED PROJECTS

Bible Logic — Full-Stack SaaS Platform (Founder & Developer)

Production-grade multi-system platform combining AI, streaming, search, and real-time communication features.

System Architecture

- Built modular full-stack SaaS platform with role-based dashboards
- Designed scalable Nuxt frontend architecture with API-driven backend
- Implemented multi-role system (users, admins, moderators)

Core Features

- AI Bible assistant powered by LLM integration
- Retrieval-Augmented Generation (RAG) system using Weaviate
- Scripture viewer and Quran comparison system
- Real-time livestreaming via AWS IVS and FFmpeg pipelines
- WebRTC-based peer-to-peer debate system

Infrastructure

- AWS S3 + MinIO hybrid storage architecture
- PostgreSQL + Prisma data layer
- Redis caching and real-time state management
- Vector search and semantic retrieval pipelines
- Modular API and service-oriented backend design

Advanced Systems

- Game marketplace system
- Digital book publishing tools
- Achievement and user progression system
- Ad monetization and campaign system
- Moderation and content management tools
- AI-assisted content and workflow automation
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