

Duane Horton

Senior Software Developer

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Senior Software Developer

I'm a senior software developer with 10+ years of experience building scalable web applications, designing robust backend systems, and delivering intuitive frontend interfaces. I specialize in technologies like Python, Node.js, C#, .NET, .NET Core, PHP, React.js, Angular, Vue.js, Laravel, CMS and more. I also have strong DevOps and AWS cloud experience. I have extensive experience developing mobile applications.

Professional Experience

11/2023 – 04/2025

Houston, Texas, United States

Senior Software Developer | Full Stack & AI | Mobile Development

Horizon AI & Cloud Services

- Lead full-stack development for enterprise platforms, focusing on AI features, scalable backends, and responsive frontends.
- Built the frontend with React/Next.js and backend with Node.js, adding AI-powered recommendations that cut search time by 40% (**Travel Platform**).
- Developed AI-assisted learning modules using LLMs and vector search for personalized content and adaptive assessments (**Education Platform, Finace**).
- Built a real-time mobile order backend using Node.js and PostgreSQL, boosting delivery efficiency by 25% and ensuring smooth integration with Android and iOS apps (**Food Delivery Platform**).
- Developed AI-SaaS features like RAG pipelines and automated workflows for multiple client projects.
- Optimized SQL/NoSQL databases and cloud infrastructure to deliver fast, reliable, and mobile-ready applications. Mentored junior engineers and collaborated with teams to deliver high-quality production-ready code.

Tech Focus: Python, Node.js, React, Next.js, FastAPI, Express.js, LLMs, RAG Pipelines, DevOps, Vector Databases, AWS, Docker, Android & Mobile Experience

03/2020 – 10/2023

Fremont, California, United States · Remote

Senior .NET, C# Developer | Backend & Cloud Specialist

Tesla

- Focused on backend and cloud systems for enterprise applications, making them **scalable, secure, and reliable**.

- **Auda Enterprise Gold:** Customized and deployed a distributed ASP.NET/Oracle ☑ platform for Latin American markets, improving operations and reliability.
- Built **finance and operations modules**, ensuring data integrity and compliance.
- Worked on **MySQL Connector/.NET**, adding features, fixing bugs, and testing across multiple .NET Framework versions.
- Improved system performance with **cloud and distributed system optimizations**.
- Guided team members on best practices for backend architecture and .NET development.

Tech Focus: C#, .NET, ASP.NET ☑, Oracle, VistaDB, MySQL, Cloud Services, Distributed Systems

03/2017 – 11/2019

Austin, Texas, United States

Python & Node Backend Developer

StarTechPC.com

- Built **scalable backend systems** using Python, Node.js, Express, and microservices for multiple enterprise apps.
- Developed **AI-driven features** like NLP chatbots, recommendation engines, and classification models, improving automation and user experience.
- Connected backend services with **React, Vue.js, and Angular frontends** for full-stack applications.
- Automated **data pipelines and ML workflows**, reducing manual work and improving processing speed.
- Led several projects from design to deployment, collaborating with cross-functional teams.

Tech Focus: Python, Node.js, Express, NLP, Machine Learning, Microservices, React, Vue.js, Angular, PHP

Oklahoma City, Oklahoma,
United States (Remote)

Junior Full-Stack & Frontend Developer

Paycom

- Built **client-facing and internal apps** with C#/.NET, Java, JavaScript, Node.js, and MongoDB.
- Created **responsive frontends** with Angular and Nuxt.js, improving UX and performance for web and mobile.
- Developed **custom WordPress and Shopify components** for E-Commerce projects, improving modularity and performance.
- Built **interactive dashboards and reporting tools**, streamlining HR and payroll workflows.
- Owned projects from start to finish, collaborating with teams to deliver high-quality software.

Tech Focus: C#/.NET, Java, JavaScript, Node.js, MongoDB, Angular, Nuxt.js, WordPress, Shopify, Webflow

Skills											
React.js	●	●	●	●	●	Next.js	●	●	●	●	●
Vue.js	●	●	●	●	●	Nuxt.js	●	●	●	●	●
Tailwind CSS	●	●	●	●	●	Material UI	●	●	●	●	●
JavaScript	●	●	●	●	●	TypeScript	●	●	●	●	●
Node.js	●	●	●	●	●	Nest.js	●	●	●	●	●
Python	●	●	●	●	●	Django	●	●	●	●	●
PHP	●	●	●	●	●	FastAPI	●	●	●	●	●
PostgreSQL	●	●	●	●	●	MySQL	●	●	●	●	●
MongoDB	●	●	●	●	●	OpenAI API	●	●	●	●	●
LangChain	●	●	●	●	●	TensorFlow	●	●	●	●	●
PyTorch	●	●	●	●	●	n8n	●	●	●	●	●
Make	●	●	●	●	●	Zaiper	●	●	●	●	●
C#	●	●	●	●	●	.NET	●	●	●	●	●
Angular	●	●	●	●	●	PostgreSQL	●	●	●	●	●
Oracle	●	●	●	●	●	Cloud Services	●	●	●	●	●
AWS	●	●	●	●	●	LLMs	●	●	●	●	●
Automated Workflows	●	●	●	●	●	RAG pipelines	●	●	●	●	●
Docker	●	●	●	●	●	Git	●	●	●	●	●
DevOps	●	●	●	●	●	GoLang	●	●	●	●	●
Swift	●	●	●	●	●	React Native	●	●	●	●	●
Flutter	●	●	●	●	●	Kotlin	●	●	●	●	●
FlutterFlow	●	●	●	●	●	IOT	●	●	●	●	●
AI Chatbot	●	●	●	●	●	Machine Learning	●	●	●	●	●

Education

08/2006 – 03/2010

Houston, Texas, US

Bachelor's degree, Computer science

Computer Science University of Houston-Clear Lake

08/2010 – 03/2013

Houston, Texas, US

Master's degree, Computer science

Computer Science University of Houston-Clear Lake

Portfolio/Github

Github

<https://github.com/DuaneHorten>

Portfolio

<https://duaneht.vercel.app/>

Languages

- English