

# Duane Horton

*Senior Software Developer*

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## Senior Software Developer

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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.

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## Professional Experience

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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, Finance**).
- 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 database 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	● ● ● ● ●

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## Education

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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*

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## Portfolio/Github

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**Github**  
<https://github.com/DuaneHorten>

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

## Languages

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- English