Duane Horton *Senior Software Developer*

✉ duanehorton21@protonmail.com   📍 Houston, Texas, United State   🔗 Portfolio

in linkedin.com/in/duane-horton-8ab528234   🔗 GitHub

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, Ca, 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

Senior Software Developer   11/2023 – 12/2025
Horizon Al er Cloud Services   Houston, Texas. United
- Lead full-stack development for enterprise platforms, focusing on Al features, scalable   States
  backends, and responsive frontends, improving overall system efficiency by 30%
- Built the frontend with React/Next.js and backend with Node.js, integrating Al-
  powered recommendations that reduced search time by 40% on a travel platform.
- Developed Al-assisted learning modules using LLMs and vector search for
  personalized content and adaptive assessments, increasing user engagement by 35%
  on education and finance platforms.
- Built a real-time mobile order backend using Node.js and PostgreSQL, boosting
  delivery efficiency by 25% and reducing order processing errors by 15%, while
  ensuring smooth integration Android and iOS apps.
- Implemented Al-SaaS features including RAG pipelines and automated workflows,
  cutting manual operational tasks by 50% across multiple client projects.
- Optimized SQL/NoSQL databases and cloud infrastructure, improving application
  response times by 40% and ensuring mobile-ready reliability.
- Mentored junior engineers and collaborated with teams, contributing to a 20% faster
  delivery rate for production-ready code.

Tech Focus: Python, Node.js, React, Nextjs, FastAPI, Express.js, LLMS, RAG Pipelines,
DevOps, Vector Databases, AWS, Docker, Android & Mobile (Swift, Kotlin Java,
Objective-C, Flutter, React Native)

Senior .NET, C# Developer Backend & Cloud Specialist   03/2020 – 10/2023
Tesla   Fremont, California,
- Focused on backend and cloud systems for enterprise applications, making them   United States Remote
  scalable, secure, and 35% reliable
- Auda Enterprise Gold: Customized and deployed a distributed ASP.NET/Oracle
  platform for Latin American markets, improving operational efficiency by 40% and
  system uptime by 30%.

- Built finance and operations modules, ensuring 100% data integrity and compliance with regional regulations.
- Enhanced MySQL Connector/NET, adding features, fixing bugs, and performing cross-version testing across multiple .NET Framework versions, reducing critical errors by 25%.
- Optimized system performance through cloud and distributed system improvements, cutting processing time by 30% and supporting high-traffic enterprise workloads.
- Mentored and guided team members on backend architecture and .NET best practices, increasing team delivery speed by 20%.

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

Senior Backend Engineer | Python & Node Backend Development
StarTechPC.com

03/2017 – 11/2019
Austin, Texas, United States

- Built scalable backend systems using Python, Node.js, Express, and microservices. for multiple enterprise applications, increasing system reliability by 35% and supporting 30% higher traffic loads.
- Developed Al-driven features including NLP chatbots, recommendation engines, and classification models, boosting automation by 40% and enhancing user engagement by 25%.
- Integrated backend services with React, Vue.js, and Angular frontends for full-stack applications, achieving 20% faster load times and smoother user experience.
- Automated data pipelines and ML workflows, reducing manual work by 50% and improving processing speed by 30%.
- Led multiple projects from design to deployment, collaborating with cross- functional teams and cutting delivery time by 25% while maintaining high-quality code.

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

Full-Stack Developer
Raycom

Oklahoma City, Oklahoma, United States (Remote)

- Built client-facing and internal applications using C#/.NET, Java, JavaScript, Node.js, and MongoDB, improving system reliability by 30% and supporting 25% more concurrent users.
- Created responsive frontends with Angular and Nuxt.js, enhancing UX and performance for web and mobile, reducing page load times by 20%
- Developed custom WordPress and Shopify components for E-Commerce projects, improving modularity and performance, cutting deployment time by 35%
- Built interactive dashboards and reporting tools, streamlining HR and payroll workflows and reducing manual reporting effort by 50%.
- Owned projects end-to-end, collaborating with cross-functional teams to deliver high-quality software 20% faster than projected timelines.

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

Education

Master's degree, Computer science   08/2010 – 03/2013
Computer Science University of Houston-Clear Lake   Houston, Texas, US

Bachelor's degree, Computer science   08/2006 – 03/2010
Computer Science University of Houston-Clear Lake   Houston. Texas, US

Skills

React.js	Vue.js
Tailwind CSS	JavaScript
Node.js	Python
PHP	PostgreSQL
MongoDB	LangChain
PyTorch	Make
Ca	Angular
Oracle	AWS
Automated Workflows	Docker
DevOps	Swift
Flutter	FlutterFlow
Al Chatbot	Next.js
Nuxtjs	Material Ul
TypeScript	Nestjs
Django	FastAPI
MySQL	OpenAI API
TensorFlow	n8n
Zaiper	.NET
PostgreSQL	Cloud Services
LLMS	RAG pipelines
Git	Golang
React Native	Kotlin
10T	Machine Learning

Github

- https://github.com/DuaneH-www ⧉

Linkedin

- http://www.linkedin.com/in/duane-horton-8ab528234

Languages

- English

Portfolio

https://duaneht-nine.vercel.app/