

Quyen Tran

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Summary

Software Engineer with 4+ years of experience building scalable backend and full-stack systems. Proven success in driving measurable business impact through system design, performance tuning, and data visualization.

Skills

Backend: Python (Django), C# (ASP.NET), Node.js (Nest, Next), Java

Frontend: React, Vue.js, TypeScript, JavaScript

Data: PostgreSQL, MSSQL, Pandas, NumPy

Cloud/DevOps: AWS, Docker, Git, Jenkins

Software Engineering Practices: Agile/Scrum, API design, system architecture, performance optimization, SDLC

Experience

Software Engineer, INRIX– Santa Monica, CA

Sep 2021 – Jan 2024

- Deployed scalable REST APIs as part of a **microservices-based architecture**, increasing customer acquisition by **50%**, using **Python, Django, AWS**, and **PostgreSQL**
- Enhanced user analytics capabilities globally by building interactive data visualization tools using **Vue.js, Nuxt.js, Nest.js**, and **TypeScript** in close collaboration with UX designers
- Drove **30% sales growth** and **\$100k in revenue** by building scalable APIs and SQL reporting tools that enhanced parking data visualization and quality
- Improved data entry efficiency by **40%** by redesigning internal tools and implementing automated error detection
- Slashed API response time by **300%** through **system scalability improvements** and performance tuning in a high-traffic environment; led end-to-end testing and **CI/CD integration**

Full Stack Engineer, Chainbridge Technologies – Remote

Mar 2021 – Sep 2021

- Enabled clients to qualify for COVID funding grants by developing data upload features in **C#, ASP.NET, HTML, CSS, JavaScript**, and **MSSQL** for vaccine equity reporting
- Improved accessibility test pass rates by over **60%** by refactoring front-end components for semantic HTML
- Reduced backlog tickets by 40% and accelerated delivery by 25% through streamlined triage and proactive resolution

Software Engineer, EPIC Systems – Verona, WI

Mar 2019 – Aug 2020

- Contributed to a high-impact web application serving **250+ million** patients, adopted by **5,000** hospitals and **140,000** physicians across top medical institutions worldwide
- Enhanced billing accuracy and hospital accreditation by developing a feature using **C#, TypeScript**, and **ASP.NET** to streamline physician documentation
- Reduced application response times by **30%** by optimizing operations and refactoring code for consistency
- Secured sensitive patient data by identifying and fixing a critical security flaw during a **Visual Basic** to **C#** and **TypeScript** migration, resulting in a more secure workflow and enhanced developer checklist
- Improved project alignment and code quality by identifying key issues in a large-scale initiative and driving adherence to coding standards

Software Engineer Intern, The Kenerson Group – Athol, MA

June 2018 – Aug 2018

- Redesigned website using **ASP.NET, HTML**, and **CSS**, boosting user engagement and driving a measurable increase in sales and customer inquiries
- Led development of a mobile application with **Xamarin** and **C#**, enabling real-time **GIS** updates

Education

University of Massachusetts Amherst – BS in Computer Science

Sep 2015 - Dec 2018