Kenny Nguyen

US citizen authorized to work for any employer

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EDUCATION

Clemson University | Clemson, SC January 2023 - December 2025
Bachelor of Science in Computer Science *Cumulative GPA: 3.9/4.0*
- President's List Spring 2023, Spring 2024, Fall 2024

University of South Carolina | Columbia, SC August 2018 - December 2021
Bachelor of Science in Biological Sciences *Cumulative GPA: 3.8/4.0*
- Magna Cum Laude
- Dean's List Fall 2018 - Fall 2021, President's List Fall 2021

SKILLS & TECHNICAL TOOLS

Languages: C#, C++, C, Java, Python, HTML, CSS, TypeScript, JavaScript, SQL

Frameworks & Tools: React, Ember.js, .NET Core, Vite, Tailwind CSS, MySQL, MS SQL Server, Git, GitHub, Bitbucket, Jira, Azure DevOps, Trello, Figma, UNIX/Linux, AWS (EC2, RDS, Lambda, API Gateway), VS Code, Visual Studio, JetBrains Rider, IntelliJ, Cursor, Docker, JMP

EXPERIENCE

Full-Stack Software Engineer Co-Op | Alarm.com | Greenville, SC *January 2025 - May 2025*
- Refactored virtual panel firmware and .NET backend by updating version hex identifiers and extending modem classes to ensure virtual customers were provisioned with the appropriate virtual panel and device list, enhancing stress testing and bulk user scalability.
- Enhanced the C# and ASPX-based internal community creation tool by extending backend functionality to generate configurable communities with housing units and residents, facilitating onboarding and demonstration processes.
- Implemented a cross-database audit trail system for community data by creating stored procedures and C# service integrations to retrieve and unify change logs across databases through an ASPX interface for internal review.
- Authored and presented comprehensive low-level and high-level design documentation to senior engineers and stakeholders, detailing architecture changes, service integrations, and implementation considerations.

Full-Stack Software Engineer Co-Op | Alarm.com | Greenville, SC *May 2024 - August 2024*
- Developed and deployed a full-stack feature integrating Ember.js (TypeScript) front end and .NET Core API back end to enable remote door-lock control within live camera feeds, used by over 20,000 commercial customers; enhanced reliability through bug fixes, feature improvements, unit testing, and code reviews.
- Prepared and labeled building floorplans to train convolutional neural networks (CNN) for automated recognition of rooms and structural features, supporting automatic placement of motion and water sensors on digital maps.
- Built and maintained applications with Ember.js (TypeScript, Sass, Handlebars), .NET Core (C#), and MS SQL Server, ensuring reliable performance across the stack.

PROJECTS

Resume Website
- Developed a personal resume website using React, Vite, TypeScript, and Tailwind CSS to highlight technical skills.
- Built a responsive and modular front-end design with reusable React components and clean TypeScript structure.
- Utilized Tailwind CSS utility classes to streamline styling and maintain visual consistency.

Truck Driver Rewards Web App
- Built a full-stack web app in an Agile environment that rewards safe driving, allowing drivers to earn and redeem points.
- Developed a responsive interface using HTML, CSS, and JavaScript, integrated with AWS Lambda APIs and an Amazon RDS MySQL database for user, transaction, and product management.
- Implemented store and points systems with redemption workflows, and transaction history to improve user experience.