

Neil Lucena



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WORK EXPERIENCE

Bay Valley Tech | *Full-Stack Software Developer*

May 2024 - Present

- Co-led a team of 5 to build a scalable e-commerce platform using React, Node.js, Amazon RDS/SQL.
- Implemented and facilitated CI/CD pipelines using GitHub Actions ensuring smooth deployments.
- Provided technical support and Agile methodologies during online daily stand-ups to ensure project stability.

Bay Valley Tech | *Full-Stack Software Developer Intern*

Mar 2023 - Sep 2023

- Created a full-stack stock management platform using Node.js, React, JavaScript, SCSS, Figma, Finnhub API.
- Engineered with team a streamlined stock management, enabling accurate and efficient database retrievals.
- Designed and integrated RESTful APIs, improving data access and application functionality.
- Enhanced website performance via SQL query optimizations, cutting load times by 25%, increasing engagement.
- Worked with QA teams and to ensure database and server optimizations, overall upping app efficiency by 10%.

OtterSoft | *Jr. Software Developer Intern*

Feb 2022 - Aug 2022

- Developed with an 8-person team a full-stack EMT patient care record application with React, .NET, and SQLite, in delivering a HIPAA-compliant real-time medical data logging solution.
- Achieved a secure SQL database ensuring data integrity and managing real-time medical data access.
- Conducted frequent team QA testing, decreasing post-release issues by 30%, in ensuring quality deployments.

PROJECTS

E-Commerce Web Application

- Optimized front-end performance using Visual Studio Code, and back-end establishment via Amazon RDS.
- Integrated Amazon RDS for a scalable database management and optimizing database query response times.
- Implemented input validation and secure API endpoints to protect user data and maintain system reliability.

Stock Investment Application

- Designed Figma mockups to streamline a seamless user experience across devices, and smooth CSS stylings.
- Engineered RESTful APIs for user authentication, registration, and CRUD operations.
- Integrated Finnhub API via WebSockets for real-time stock updates, improving data accuracy for customers.
- Deployed on Vercel, achieving 99.9% uptime availability, while managing continuous integration, version control, and delivery workflows through Git.

SKILLS

- **Languages:** HTML, CSS, JavaScript, Python, SQL, Java, MySQL, PostgreSQL
- **Frameworks & Tools:** React, Angular, Node.js, Kubernetes, CI/CD (GitLab/GitHub)
- **Cloud & Database:** AWS, Google Cloud, Docker, MongoDB, SQL Server
- **Development Practices:** SDLC, Agile methodologies, Test-Driven Development (TDD), Version Control (Git)

EDUCATION

California State University, Stanislaus

Turlock, CA

Bachelor of Science, Computer Science