J O N A T H A N G I A N G

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EDUCATION

San Diego State University, Bachelor of Science in Computer Science   May 2021

EXPERIENCE

Vikco Insurance Services   San Diego, CA
Lead Software Engineer   Nov 2023 - Present
Software Engineer II   Mar 2022 - Nov 2023
Software Engineer I   Jun 2021 - Mar 2022

- Led a development team of 5 engineers by directing application structure, designing user interfaces, implementing code standards, and overseeing pull requests, leveraging tools such as Bitbucket, JIRA, and Figma
- Collaborated with cross-functional teams to gather requirements, develop functional specifications, and deliver high-quality software solutions in a timely manner
- Actively participated in Agile development practices, including sprint planning, daily stand-ups, and retrospectives, contributing to a 20% increase in team productivity
- Designed, developed, and maintained multiple web-based applications as part of a proprietary SaaS platform that included websites, portals, dynamic forms, and emails using Spring, Java, HTML, JavaScript, and CSS
- Developed robust and scalable RESTful APIs to enhance existing Java-based systems, improving data integration and functionality across multiple platforms
- Spearheaded the initiative to migrate to an Angular-based front-end framework infrastructure, allowing for greater UI/UX possibilities and improving site performance by 50%
- Designed and optimized complex MySQL queries, utilizing join and normalization techniques, to streamline data retrieval processes, enhancing query performance and data integrity as well as reducing query execution time by 30%
- Constructed test scripts leveraging JUnit and Selenium automation tools to test and debug newly implemented features and ensure proper website functionality across varying browsers
- Utilized Docker for containerization and AWS for cloud-based deployment, using various AWS services to ensure high application scalability and reliability
- Introduced and implemented a CI/CD pipeline that automated testing and deployment processes, reducing the deployment time by 50% and improving release frequency by 40%
- Streamlined the endorsement generation process by programming the processes into a functional user interface, cutting down the endorsement workload by 70%
- Upgraded the admin management system by implementing new features that automated repetitive and routine tasks, leading to a 60% improvement in daily workflow efficiency

PROJECTS

Checked | Vue, TypeScript, CSS, Tailwind, Material Web   Aug 2023 - Nov 2023
- Built a utility web application aimed at helping groups split checks easily and accurately
- Designed to perform all necessary computations and logic handling through a guided wizard interface
- Developed as a Vue single-page application, styled using Tailwind and Material Web, and deployed with Vercel

CashX | Spring Boot, Java, PostgreSQL, Angular, TypeScript, SCSS, Bootstrap   In Progress
- Devised a financial tool designed to help users intuitively track their earnings, spendings, and budgets
- Initiated to offer users a platform to manage their transactions and budgets with informative visuals and filterable results
- Planned as a Spring Boot Java web application that will utilize PostgreSQL, Angular, Bootstrap, and Heroku

SKILLS

- **Languages:** HTML, JavaScript, TypeScript, CSS, SCSS, Java, Python, C++
- **Frameworks:** React, Angular, Vue, Node.js, jQuery, Bootstrap, Tailwind, Spring, Django, Selenium
- **Databases:** MySQL, PostgreSQL, SQL Server, MongoDB
- **Tools:** Git, GitHub, Bitbucket, JIRA, Confluence, AWS, Docker, Kubernetes, Vercel, Heroku, Postman, Figma