JONATHAN GIANG

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EXPERIENCE

IGT   Jun 2025 - Present
Software Developer II   Las Vegas, NV
- Developed and maintained a casino solution PWA designed to facilitate the management of digital markers, utilizing Express, Node.js, .NET, C#, SQL Server, Angular, TypeScript, and SCSS
- Engineered and implemented a microservices backend architecture made up of various, independent Node.js and .NET services, bolstering platform scalability, system reliability, and development agility
- Integrated TypeORM into the Node.js and SQL Server backend layer, utilizing the TypeORM QueryBuilder to build complex and type-safe queries with joins, pagination, and caching
- Designed automated unit and integration tests leveraging Jasmine and Karma automation tools to improve testing efficiency, reduce regression testing time, and ensure proper website functionality across varying platforms
- Implemented robust Azure DevOps CI/CD workflows to streamline the continuous build, test, and deployment processes of multiple application instances and microservices
- Authored both user-facing and internal technical documentation with installation and troubleshooting guides, API specs, READMEs, and architecture diagrams, strengthening customer as well as team knowledge

Vikco Insurance Services   Jun 2021 - Feb 2025
Full Stack Software Engineer   San Diego, CA
- Developed and maintained a risk assessment CRM system designed to help underwriters analyze applicant data, evaluate policy applications, and set insurance premiums, utilizing Spring Boot, Java, MySQL, Angular, TypeScript, and SCSS
- Spearheaded the migration from a legacy Struts and JSP application architecture to a modernized Spring Boot and Angular stack, streamlining the development process and enhancing application capabilities
- Integrated Hibernate ORM into the Java and MySQL backend layer to simplify database interactions and allow for data manipulation with Java classes and data types
- Constructed comprehensive test scripts utilizing JUnit and Selenium to validate Spring Boot API endpoints and Angular services, leading to reduced production bugs and improved application stability
- Implemented a Bitbucket CI/CD pipeline to automate build, test, and deployment processes, significantly reducing deployment time and increasing release frequency
- Mentored 4 junior engineers on coding standards and best practices, improving code quality and overall team productivity, as well as accelerating the onboarding process

EDUCATION

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

PROJECTS

Fetch | React, TypeScript, CSS, Tailwind, Headless UI
- Built a web application designed to help users search for, sort and filter through, and match with shelter dogs
- Utilized Fetch Dog API to retrieve a list of dogs and their respective attributes and properties from a dog shelter database
- Developed as a React application, styled using Tailwind and Headless UI, and deployed with Vercel

Checked | Vue, TypeScript, CSS, Tailwind, Material Web
- Built a web application aimed at helping groups split checks both accurately and hassle-free
- 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

SKILLS

- **Languages:** HTML, JavaScript, TypeScript, CSS, SCSS, Java, Python, C++, C#, SQL Server, MySQL, PostgreSQL
- **Frameworks:** Next.js, React, Angular, Vue, Express, Node.js, Tailwind, Spring Boot, Django, .NET, TypeORM, Jasmine
- **Tools:** Git, Bash, PowerShell, GitHub, Azure, Bitbucket, AWS (EC2, S3, RDS, ECR), Docker, Kubernetes, Postman, Figma