

Joseph Louie

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Software engineer with experience in data analytics and data visualization. With a passion for developing secure user-facing products that scale using industry best practices.

Skills

Javascript | ReactJS | Redux | Ruby on Rails | Docker | NodeJS | Jenkins (CI) | Codefresh (CD) | PostgreSQL | Express | AWS | Python | AngularJS | MongoDB | Typescript | Jest | ActiveRecord

Work Experience

Full-stack Software Engineer Otus Nov 2021 - Mar 2022

- Migrated legacy PHP code to NestJS and created technical documentation to reduce technical debt by 5%.
- Utilized Jest testing library when developing 3 NestJS endpoints ensuring consistent data across the entire application.
- Collaborated in a team of 8 engineers and oversaw CI/CD pipelines using Jenkins and Codefresh leading to a 10% increase in code reliability.
- Updated frontend code to use newer AngularJS components allowing handicapped users to use only their keyboard resulting in increasing accessibility by 5%.

Software Engineer Intern SwingVision Jun 2021 - Aug 2021

- Collaborated with a team of 2 to build dashboard components that allowed 100+ coaches to view their player's stats.
- Developed 62 unit tests using the Rspec testing library and used feedback to increase application reliability by 14%.
- Implemented inquiry form to allow customers to send inquiries from the page resulting in 13 teams being signed up.
- Increased application security by building multiple authorization levels for RESTful APIs in Ruby on Rails.

Projects

Freemium

- Architected the front-end leveraging Typescript's type checking and auto-complete increasing development speed by 60%.
- Created a feed follow system using NodeJS and Typescript to support 1000+ followers allowing content to populate for the user.
- Developed a profile picture upload feature using Amazon Web Services S3 improving user satisfaction by 10%.
- Implemented authentication system using Bcrypt and JWT to register 15+ users.

WeBuy

- Managed payments using Stripe API as the payment gateway to process user checkout items increasing sales by 99.9%.
- Implemented localStorage as a shopping cart allowing the user to securely purchase 10+ products at once.
- Converted designer mockup and enabled a consistent experience on multiple devices improving user experience by 5%.
- Developed backend relational database using PostgreSQL with ActiveRecord and created the API with 20+ products.

Education

Software Engineering Certificate Flatiron School Oct 2019 - Feb 2020

Bachelor of Arts, Economics University of California, Davis Sep 2016 - Jun 2019