

# Benny Van

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## TECHNICAL SKILLS

**Front-End** | JavaScript (ES5 and ES6), React, HTML5, CSS3, Vite.js, TypeScript, Redux, Material UI, Figma, CRA,

**Back-End** | Node.js, Express, PostgreSQL, MongoDB, MySQL, RESTful API, Python

**Testing/Deployment** | Jest, AWS: EC2 / S3 / CodePipeline / CodeDeploy, New Relic, Lighthouse, NGINX, k6.io

**Developer Tools** | Git, Docker, Vim, npm, Webpack, Babel, Agile Methodology

## SOFTWARE EXPERIENCE

[Civic Tech Jobs](#) | Software Engineer | Hack for LA Aug - Present

*A website helping connect prospective volunteers to Hack For LA projects*

- Refactor legacy codebase to be more consistent by migrating existing **Jest** tests from **JavaScript** to **TypeScript**
- Developed dynamic and user-friendly interfaces using **JavaScript**, **HTML**, **CSS**, **SCSS**, **Tailwind CSS**
- Collaborate with the UI/UX team's **Figma** designs aligning development goals and design specifications

[Personal Portfolio](#) | Software Engineer | <https://bennyvan.com/> Jul - Aug 2023

*Personal Website for my resume, portfolio, and about me*

- Reduced RAM consumption to < **1 GB** by replacing **Webpack & Babel** with **Vite.js** for server refactoring
- Automated **CI/CD** by implementing **Bash Scripts**, **AWS: CodeDeploy & CodePipeline** for efficient deployments
- Enhanced user trust by enabling **HTTPS** connections with **SSL/TLS** certificates with **LetsEncrypt** and **Route53**

[Quiz Whiz](#) | Full-Stack Developer Apr - Jul 2023

*An online quiz platform that allows users to register an account, and create, take, and share quizzes*

- Secured user-server interactions by developing a session management system via **BCrypt & Express-Sessions**
- Utilized **Figma** to coordinate with developers and stakeholders in designing cohesive and user-friendly UI/UX
- Integrated **Docker** to containerize the **Node.js** server and **PostgreSQL** database for seamless deployment

[Atelier API Service](#) | Backend Engineer Feb - Apr 2023

*A microservice for handling product-related reviews in a decomposed e-commerce API*

- Scaled service via **Redis** and **NGINX** increasing throughput by **60.8%** and decreasing latency by **82.5%**
- Validated accurate data retrieval through test-driven development using **jest**, maintaining **80%** codebase coverage
- Minimized latency of database queries to be < **50 ms** through schema design optimizations using **PostgreSQL**

[Atelier Marketplace](#) | Frontend Engineer Dec. 2022 - Mar 2023

*A user-facing interface for an e-commerce API, specifically implementing the Questions & Answers module*

- Reviewed **35%** of the project's pull requests, offering recommendations for **Object-Oriented Design Principles**
- Increased code maintainability and robustness by refactoring **18 React states** into reusable custom hooks
- Implemented optimizations reducing Time to First Contentful Paint from **6.2s** to **0.9s** to improve user engagement

## EDUCATION

**University of California, Los Angeles (UCLA)** Jun 2023  
*Bachelor of Sciences in Ecology and Evolutionary Biology (3.77 GPA)*

**Hack Reactor** Jun 2023  
*Advanced Software Engineering Immersive Program*