

# Benny Van

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## TECHNICAL SKILLS

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

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

**Testing/Deployment** | Jest, Mocha, Chai, AWS: EC2 / S3, NewRelic, Lighthouse, NGINX, k6.io

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

## SOFTWARE EXPERIENCE

**Quiz Whiz** | Software Engineer

Apr. - Jun. 2023

*An online quiz platform allowing verified users to create, take, and share quizzes*

- Employed password policies and encryption settings using **BCrypt** maximizing tradeoffs between performance and security
- Acted as architect owner providing up to **3 alternatives** to address each challenge and streamline the decision-making process
- Collaborated closely with a developer team of 6 utilizing **Material UI** and **Figma** to create intuitive and consistent UI/UX

**Atelier API Service** | Software Engineer

Feb. - Apr. 2023

*Microservice for product reviews on the Atelier e-commerce website*

- Optimized legacy database system with **PostgreSQL** through custom schema design ensuring querying latency to be **< 50 ms**
- Maintained accurate data retrieval by developing a comprehensive test suite using **jest** to cover **80%** of the codebase
- Conducted local stress tests using **k6.io** to identify bottlenecks, achieving a base throughput of **450 RPS** (requests per second)
- Scaled service via **Redis** and **NGINX** increasing throughput by **60.8% (1150 RPS)** and decreasing latency by **82.5% (66 ms)**

**Atelier Marketplace** | Software Engineer

Jan. - Mar. 2023

*User-Facing Interface for an e-commerce website*

- Collaborated alongside a team of **4**, reaching consensus on technical decisions, workflow design, UX/UI design
- Performed **35%** of the project's code reviews, adhering to best coding practices and identifying logical errors.
- Streamlined codebase by consolidating **18 React states** into reusable components for greater readability and performance
- Improved user experience using **Webpack** to bundle and reduce file size, decreasing time to First Contentful Paint by **85.4%**

**Pantry Table** | Software Engineer

Nov. - Dec. 2022

*Inventory manager for a user's pantry*

- Created a minimum viable product using **RESTful API** architecture to reduce redundant grocery purchases and food waste
- Built project following iterative and incremental methodologies to reduce bottlenecks in the development pipeline

## EDUCATION

**University of California, Los Angeles (UCLA)**

Expected Jun. 2023

*Bachelor of Sciences in Ecology and Evolutionary Biology (3.77 GPA)*

- Relevant Coursework: Introduction to Computer Science, Engineering Design, Physics, Statistics, Biology, Chemistry; Multivariable Calculus, Organic Chemistry, Biochemistry

**Hack Reactor**

Expected Jun. 2023

*Advanced Software Engineering Immersive Program*

- Relevant Coursework: Data Structure and Algorithms, RESTful API, Database Management Systems, Frontend Optimizations, Backend Optimizations, Agile Methodology, Operating Systems

## PROFESSIONAL EXPERIENCE

**Employment Consultant Volunteer**

Dec. 2021 – Present

*Chrysalis, Los Angeles, CA*

- Execute practice interviews and resume-building sessions improving the job offer success of 60 underprivileged individuals
- Research online databases pulling 15-25 industry-specific skills to align position requirements with client's experience
- Received "Super Hero Award" for providing impactful 1:1 sessions and assistance at job and resource fairs

**Emergency Medical Technician**

Jun. 2021 – Apr. 2022

*American Professional Ambulance, Van Nuys, CA*

- Assessed, dictated, and managed treatment of up to 7 different patients per shift as primary care provider during transport
- Coordinated between over 30 different hospitals, nursing facilities, and psychiatric wards to ensure the safe transfer of care
- Supervised and trained 14 ride-a-longs, guiding emergency medical procedures and proper bedside manners