

Frank Mirando

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Education

Hack Reactor – Certificate in Advanced Software Engineering	June 2023
California State University of Fullerton – Bachelor of Science in Computer Science	January 2021

Projects

Atelier Frontend - Frontend interface for demo ecommerce clothing website. <https://github.com/FEC-CLL/FEC-1>

- Built product detail pages, smooth carousels, and a personalized outfit builder with React and JavaScript, creating an interactive and seamless shopping experience.
- Developed Jest test suites achieving 70%+ coverage while maintaining code quality through continuous integration.
- Implemented Node.js for efficient data fetching, reducing product loading times by 40%.

Atelier API - Database and API for a demo ecommerce clothing website. <https://github.com/fmirando/FEC-1>

- Engineered RESTful API endpoints with Express to efficiently process and serve product data extracted from multi-million line CSV files and pipelining them into a PostgreSQL database via SQL script.
- Deployed scalable architecture on AWS EC2 with identical instance imaging for consistent server performance.
- Implemented NGINX load balancing and caching optimizations, reducing CPU usage by 75% while increasing throughput by 150% with a 15 ms response time.

NativEats <https://github.com/Full-Metal-Alchemist/NativEats>

- Developed cross-platform mobile UI with React Native for iOS and Android, featuring responsive restaurant discovery screens and interactive maps while utilizing Firebase authorization and Docker containerization.
- Built a scalable PostgreSQL database to store information on 100+ Los Angeles restaurants, user profiles, and reviews.
- Built robust backend with Express and Node.js, implementing 29 RESTful API endpoints that power 14 distinct app screens with 200ms average response time.

Experience

Full Stack Software Engineer (Freelance), PackPack Coffee – Garden Grove, CA December 2024 – Present

- Designed and deployed a responsive full-stack web application (React, Node.js, Express) that increased bookings by 25% by modernizing the business's online presence and streamlining customer inquiries.
- Implemented comprehensive scheduling system with Google Calendar API integration that automated booking processes, enabled real-time availability visualization, and reduced manual administrative work by 50%.
- Developed custom inventory management system for business owner using Python, Tkinter, Pandas and SQLite, reducing inventory management time by 75% and streamlining ordering processes for mobile coffee operations.

Barista, Blk Dot Coffee – Orange, CA December 2023 – Present

- Trained 15+ new baristas on recipes and procedures while maintaining a 98% employee retention rate.

IT Support Specialist, Solugenix – Brea, CA April 2021 – April 2022

- Provided tier 1 technical support for critical medical sterilization equipment, troubleshooting hardware, software, and network connectivity issues across 1000+ support healthcare facilities across the country.
- Managed IT service desk tickets within an average of 45 minutes, exceeding organizational SLA targets by 15%.
- Collaborated with cross-functional IT teams and field technicians to escalate complex technical issues, maintaining 99.7% uptime for mission-critical medical systems.

Technical Skills

Languages: C++, Java, Python, Javascript (ES5 & ES6), Assembly

Full-Stack: React.js, React Native, HTML5, CSS, jQuery, Node.js, Express, MongoDB, SQLite, MySQL, PostgreSQL, Firebase

Testing/Deployment/Automation: Jest, Pandas, React Testing Library, Mocha, Chai, AWS EC2, NGINX, Postman, Docker

Developer Tools: Vim, Git, npm, Vite, Webpack, Babel