Dushan Lee

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Technical Skills

Languages & Databases: Python 3, JavaScript (ES6+)/TypeScript, SQL, PostgreSQL, Relational Database Design, HTML5, CSS3

Frameworks & Tools: React, FastAPI, Tailwind CSS, Docker, Responsive Web Design, Render.com (Deployment), CI/CD, Git/GitHub/GitLab, REST APIs, JSON, Copilot

Development Practices & Testing: Agile, Pair Programming, Code Reviews, Test-Driven Development (TDD), Debugging (Chrome DevTools, VS Code), Vitest, React Testing Library, Unit Testing

Projects

Team Full-Stack App (Capstone Project) – Hack Reactor 16-Week Program | 2025

- With four other teammates, we developed **Flavorgram**, a full-stack recipe-sharing app that combines features of Instagram (profiles, feeds), Pinterest (visual recipe cards), and Yelp (ratings, comments). The app utilizes Python/FastAPI for its backend, React (with TypeScript) for its frontend, and PostgreSQL for data storage.
- **Developed reusable React components** with responsive design and seamless API integration, while designing and optimizing PostgreSQL schemas to persist recipes, ingredient costs, and user data with integrity and scalability.
- **Implemented professional workflows**: Agile practices (pair programming, Git version control, code reviews), Docker for containerized databases, CI/CD with GitLab, and testing with Vitest and React Testing Library. Leveraged **GitHub Copilot** to accelerate development, debug errors, and improve efficiency.
- **Served as Architecture Owner**, setting up and documenting the repo, defining branching and dev workflows, guiding tech stack decisions, unblocking environment issues, and reviewing/debugging code to ensure quality and consistency.

GitHub & Full-Stack Fluency Projects – Individual | 2025

- **Badminton Ranking System** – Building a web app with **React, FastAPI, and PostgreSQL** to track match results and calculate ELO-based player rankings. Designed REST APIs, modeled data, and delivered a responsive UI to streamline match tracking.
- **Notes & Journal App** – Designed a productivity tool with **React, FastAPI, and PostgreSQL**, enabling CRUD operations, search functionality, and task management, while enhancing efficiency with REST API integration, iterative feature delivery, and responsive UI design.
- **Finance/Budget Tracker** – Creating an expense-tracking app with **React, FastAPI, and PostgreSQL** to log expenses, categorize spending, and set savings goals. Applied iterative development to optimize usability and ensure reliable data persistence.

Experience

Hack Reactor Software Engineering Bootcamp – Remote | June - October 2025

Software Engineering Fellow

- Completed **800+ hours of full-stack training** in **Python, JavaScript, React, SQL, and FastAPI** through a 16-week intensive bootcamp.
- Built **5+ full-stack applications** using Agile sprints, **Git/GitLab**, pair programming, code reviews, and **Copilot** to deliver complex features efficiently
- Practiced professional workflows including **Agile ceremonies** (standups, retrospectives, sprint planning), **CI/CD with GitLab**, and deployment on **Render.com** during projects and capstone.

Education

Hack Reactor – Full-Stack Software Engineering Bootcamp | Graduated 2025

University of California, San Diego – La Jolla, CA | Graduated June 2021

Bachelor of Science in Biochemistry, Minors in Psychology & Political Science | GPA: 3.65/4.0