Ezra Chung
Software Engineer

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Work Experience

SOFTWARE ENGINEER   2023 – Present
Hack For LA   *Los Angeles, CA*

- Leveraged Node.js to create dataset visualizations in relation with Github API and effectively utilized GitHub tickets to manage and resolve issues, ensuring a streamlined development process and enhanced issue tracking

SOFTWARE ENGINEER   2022– 2023
Numbers.API   *San Francisco, CA*

- Modernized outdated live codebase with over 10,000 monthly visits using React, Jinja, and PostgreSQL with a team of 6 developers in an agile environment of weekly sprints and daily stand-ups. Maintained 95% coverage on unit and integration tests for models and routes
- Crafted custom Flask and Python adapter, alchemizing external data into JSON via REST APIs, resulting in a 40% data quality boost and 25% greater operational efficiency.
- Took on task to build mobile app skeleton with Dart and Flutter, offering cross-device user experience and visibility within a single codebase, leading to a 30% less maintenance, 2x faster updates, and improved cost-effectiveness.

OPERATIONS ENGINEER   2020– 2021
ForcellUSA   *Chino, CA*

- Drove significant workplace efficiency improvements by implementing an Enterprise Planning System, reducing manual data handling by 50%, minimizing data access errors by 20%, and providing personalized data access to 90% more staff.
- Led the ideation, user-centric research, and development of a global B2B e-commerce web application with a cross-functional team, using HTML, CSS, and JavaScript, resulting in a 50% increase in leads.

Projects

JOBLY-JOB BOARD   **Github: FE | Github: BE**
Languages & Frameworks: Python, Flask, SQL, AWS, PostgreSQL

- Designed and engineered essential frontend components, including search, edit, and login features, utilizing JavaScript and React's efficiency in reducing initial load times, managing AJAX requests, and ensuring smooth client-side rendering.
- Incorporated authentication / authorization features with Node.js and Express for Express' middleware system that added functionality to RESTful routes and its scalability that can handle high request volumes with the database.

FAMILY TRANSCRIBE   **Demo**
Languages & Frameworks: TypeScript, React, Next.js, Tailwind CSS, Google Cloud, OpenAI

- Directed frontend development using TypeScript, React, and Tailwind CSS to curate a responsive and cohesive user interface, with a strong emphasis on cross-browser compatibility and performance optimization.
- Wove Google Cloud services into application architecture for advanced text analysis, translation, and efficient JSON transformation and with the creation of a streamlined RESTful POST route, fueled by Next.js for robust server-side logic, results led to notable enhancements in data processing.

Skills

Languages : Python, JavaScript ES6, SQL, Postgres, HTML, CSS, Dart, TypeScript
Libraries / Frameworks : Flask, React, Node, Vue, Express, Jinja, unittest, Jest, React Testing Library, Babel
Tools : Git, Github, Linux, Wireframing, Render, AWS S3, Agile Methodology, Test-Driven Development, AJAX

Education

Rithm School | *Certification of Computer Science, Web Development*   *San Francisco, CA | 2022 – 2023*

University of California, San Diego | University of Manchester   2016 – 2020
B.S. Cognitive Science - Human Computer Interaction   *La Jolla, CA | Manchester, UK*