Aaron Ahmadyar

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EDUCATION

California Polytechnic State University, San Luis Obispo — San Luis Obispo, CA
Bachelor of Science in Computer Engineering — *Sep. 2020 - June 2024*
- GPA: 3.84/4.0

EXPERIENCE

Backend Software Engineer Intern — Sep. 2024 - Present
Kargo — *San Francisco, CA*
- Led the migration of dynamic configuration from Statsig to a custom database solution, enabling easier updates and management of facility-specific configurations via an admin dashboard.
- Extended GraphQL schemas, adding new types for dynamic facility configuration management and implemented query and mutation resolvers in TypeScript, incorporating authentication and permission checks.
- Implemented data aggregation based on shipment direction, with allowed directions stored for each field in a protocol buffer in MySQL, ensuring relevant data presentation to clients.
- Caught errors associated with invalid timestamps and logged them to Datadog, filtering out invalid values to improve visibility of data integrity issues during processing.
- Enhanced summary images for loading events to improve clarity and provide better visibility of pallets from optimal angles.

Software Developer — Oct. 2023 - June 2024
Hack4Impact Cal Poly — *San Luis Obispo, CA*
- Developed a calendar portal for Ecologistics, a non-profit organization, using TypeScript, Next.js, and MongoDB, to centralize event postings, facilitating better communication and coordination among various organizations.
- Utilized Clerk authentication to implement secure authentication and role management, enabling differentiated access levels for admin, approved, and pending users.
- Integrated Resend for sending automated email notifications, improving user engagement and communication efficiency.

Instructional Student Assistant — Sep. 2023 - Dec. 2023
Cal Poly Computer Science and Software Engineering Department — *San Luis Obispo, CA*
- Graded assignments in the Object-Oriented Programming and Design course.
- Assisted students during lab sessions, offering guidance and clarification on programming tasks.
- Held office hours to provide additional support and assistance to students outside of class time.

PROJECTS

Tutoring Web Application | *Django REST Framework, PostgreSQL, ReactJS, AWS*
- Developed a comprehensive tutoring web app that connects learners and tutors, hosted on AWS with S3 and EC2, utilizing a PostgreSQL database and incorporating CI/CD pipelines for efficient deployment.
- Employed the Simple JWT library for seamless JWT authentication, incorporating both refresh and access tokens to ensure secure and efficient user access management.
- Developed a dynamic platform featuring messaging, goal-setting, a scheduling calendar, and tools for teachers to track student progress, enhancing user engagement and the overall learning experience.

CookMyFridge | *Node.js, Express.js, React, MongoDB*
- Developed an intuitive web application that provides users with personalized recipe suggestions based on input ingredients, utilizing a third-party API for diverse culinary options.
- Implemented JWT based user authentication and authorization for secure website access.
- Enabled user interaction by allowing feedback through ratings and comments on recipes.

TECHNICAL SKILLS

Languages: Python, JavaScript, Typescript, C, Java, SQL
Libraries & Frameworks: Node.js, Express.js, React, Next.js, Django REST Framework
Tools & Technologies: Git/GitHub, MongoDB, MySQL, GraphQL, REST