

Anas Alakkad

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Full Stack Engineer | Software Engineer

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, Typescript, C++, HTML, CSS, Verilog, Assembly, MATLAB

Frameworks/Libraries: React, Node.js, React Native, Express.js, Flask, Redux, SQLAlchemy, Next.js, Tailwind CSS

Data/Databases: SQL, PostgreSQL, SQLite, MySQL

Tools & Platforms: Docker, Git, Pytest, Amazon Web Services (AWS), Google Cloud Services, Google Colab, NLTK

Methodologies: Object-Oriented Design, Test Driven Development, Functional Programming, Agile, SCRUM, OAuth

Others: Linux, Web Servers, Client Management, Customer Service, Data Analysis, Adobe InDesign

PROFESSIONAL EXPERIENCE

Full Stack Engineer: Mentor A Promise, Inc, Remote

Mar 2024 – Current

- Architected a microservices application with Next.js (auth/users) and separate Flask backends for shifts and chat. Deployed using AWS EC2, LightSail, and managed with Portainer Docker.
- Enhanced performance and SEO with server-side rendering in Next.js, reducing load times and improving user experience. Built dynamic UIs with React, PostgreSQL, and Tailwind CSS, boosting user engagement by 40%.
- Collaborated with cross-functional teams to diagnose and resolve complex technical issues, streamlining processes and reducing resolution times by 25%, ensuring high service quality and customer satisfaction.
- Implemented WebSocket technology to ensure real-time updates across the entire site, eliminating the need for page refreshes and enhancing user experience.

Transportation Manager: Ceravo Care, Upland, CA

Aug 2017 – Feb 2024

- Led a transportation team, enhancing performance and efficiency, impacting 30+ team members.
- Overhauled trip routing, achieving a 20% improvement in operational efficiency.
- Spearheaded staff management, reducing turnover by 15%.

PROJECTS

StarcoEat [Github](#) | [Live](#)

Oct 2023 – Nov 2023

- Transformed a full-stack restaurant system, combining Flask with Google Places API and React with Redux, significantly boosting user engagement and efficiency.
- Built a dynamic shopping cart, using React and Redux for the UI and Flask for backend processes, boosting user experience and system scalability.
- Streamlined a menu item management system, integrating Flask, React, and AWS S3, which refined CRUD operations and elevated the user interface.
- Administered user authentication, employing BCrypt, React Auth Routes, and Google OAuth, to enhance security and user data protection.
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data for form inputs and form submissions.

PixelPond [Github](#) | [Live](#)

Dec 2023 – Jan 2024

- Revitalized search capabilities, employing React and Redux for user and tag search, integrated with Flask for improved user experience and navigability.
- Instituted real-time commenting features, with React and Flask's backend, to foster dynamic user interactions and heightened engagement.
- Upgraded the project infrastructure with Docker, enhancing the development and deployment process for improved efficiency and scalability.
- Utilized AWS S3 and the Paperclip gem to implement user image uploads reducing server load and allowing for scalability of image services.

EDUCATION

Bachelors of Science, Computer Engineering, California State Polytechnic University, Pomona

May 2022