Rabea Ahmad
rabea.io

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Skills:

TypeScript • JavaScript • Java • Python • Go • C++ • Next.js • React.js(Hooks, Router, Query) • Redux • Spring Boot • Django • Node.js • Express.js • REST • GraphQL • Apollo • CI/CD (Travis, Jenkins, Github Actions) • Kubernetes • Docker • Prometheus • Terraform • SQL (Postgres, Oracle) • NoSQL (MongoDB, Mongoose) • Webpack • Vite • Maven • Gradle • HTML • CSS • SASS/SCSS • Material UI • TailwindCSS • Git • GitHub • testing (JUnit, Jest, Puppeteer, Enzyme, Cypress) • authentication (OAuth 2.0, Bcrypt, JWTs) • Cloud Technologies (AWS, GCP) • Web3

Experience:

VaaS - OSLabs   2022 - Present
Full Stack Software Engineer

An open-source, vendor-agnostic Kubernetes visualization and monitoring tool offering users the ability to deploy and invoke serverless functions to their K8s clusters via OpenFaaS functionality.

- Containerized testing applications using Docker before deploying on Google Kubernetes Engine in order to validate multi-cluster visualization functionality and to streamline the development process
- Leveraged Express in the Node.js runtime to build a modularized, scalable, and secure backend utilizing the separation-of-concern design pattern
- Converted frontend components written in Javascript into Typescript for easier readability and faster debugging
- Overhauled frontend state management using Redux to provide a single global state with scalability of features for more predictable and traceable state management
- Utilized React, advanced HTML/CSS, and Material UI taking advantage of declarative and reusable custom components to revamp the user interface for an overall cleaner and more intuitive user experience
- Migrated from Webpack to Vite leveraging HMR (hot module replacement) on native ESM modules increasing startup speeds by 1500% and decreasing build size
- Lead daily standups to help organize and direct the team toward achieving goals in a timely manner via scrum approach

Salawat   2021- Present
Cofounder and Full Stack Software Engineer

An IOS application which helps Muslims connect and keep track of prayers

- Lead system design decisions in choosing the tech stack in order to build a fully modular, scalable, and responsive UI/UX application
- Architected RESTful API endpoints using Express in the Node.js runtime in order to handle concurrent HTTP requests from frontend SwiftUI developers
- Migrated backend from node.js to GoLang utilizing the Echo framework and leveraging Goroutines allowing for more efficient conconcurrent programming
- Utilized Nextjs, React, TypeScript, HTML, and Tailwind CSS to create a sleek and responsive landing page to direct users to the app

Freelance Web3   2020 - 2021
Full Stack Software Engineer

Freelanced across multiple web3 applications

- Architected multiple landing pages for web3 applications using React, JavaScript, HTML, and CSS
- Deployed an NFT-gated website where users could only log in and access the website if they owned a Solana NFT in their Phantom wallet
- Created a real-time messaging feature for a web3 application for users to talk with each other after logging in with Metamask wallet

Financial Industry National Regulatory Authority (FINRA)   2019 - 2020
Security Software Engineer

- Lead and developed a security test automation framework to leverage FINRA-wide quality assurance.
- Programmed JUnit AWS hardening tests in Java using the AWS SDK for project teams to check security compliance of their AWS resources.
- Collaborated with teams to shift security left in the SDLC by plugging in security tests into their test automation suite.

National Cancer Institute (NCI)   2017 - 2018
Data Engineer

- Programmed python scripts to stratify very large DNA genome sequences to analyze for patterns relating to cancer
- Implemented R Programming to graphically visualize anomalies in stratified genome sequences

Certificates:

Amazon Web Services Solutions Architect - Associate

Education:

Computer Science and Mathematics - University of Maryland, Baltimore County