Mazin Abubeker
Full Stack Engineer

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EDUCATION

B.S. in Computer Science - University of California, San Diego

COURSEWORK *Algorithm Design and Analysis, Modern Cryptography, Geometric Computer Graphics, Theory of Computation, Digital System Components and Design, Artificial Intelligence: Statistical Methods, Advanced Data Structures*

MOTIVATION I strive to contribute to the open-source JavaScript community, driven by my passion for full-stack engineering. I'm concentrated on delving into the core principles of componentization libraries, and crafting my own, more personalized abstractions. I'm currently working on a library to help prevent form data loss.

SKILLS

Frontend Skills: JavaScript, React, Vue.js, React Native, HTML5/CSS, Three.js, p5.js

Backend Skills: Python, Java, Node.js, Apache Groovy, C#, C++

WORK EXPERIENCE

Fullstack Software Engineer, OneValley | **January 2021 - Present**

- Developed a multi-tenant SaaS virtual startup accelerator (Vue.js/Pinia) that **loads 200% faster** than our legacy Confluence Server platform
- Created visually engaging, responsive and accessible UI components (Vue.JS/SASS), resulting in **over a 60% average increase in user page retention** compared to our legacy platform
- Architected and implemented an Extract, Load, Transform (ELT) analytics system using auto-track libraries and a Redis cache, **capturing 1,000+ user behavior data points daily**, enabling data-driven product improvements
- Led the development of three white-labeled digital accelerators responsible for **managing over 80,000 users**, using vanilla JavaScript/HTML/CSS for the front-end and Java Apache Groovy for the respective application layers
- Collaborated daily with product and business development to align product expectations and to manage deadlines

Software Engineering Intern, OneValley | **June - September 2019 & 2020**

- Developed two end-to-end virtual accelerator platforms that enabled a university and a biotech innovation center to manage their ecosystem of startups. Met weekly with the primary clients to show progress, and discuss upcoming requirements
- Used HTML/CSS/JavaScript and Velocity templating for the front-end, and Apache Groovy to implement a RESTful API to handle CRUD operations, cron jobs, and API integrations

PROJECTS

Preserve.js | https://preservejs.vercel.app/   **March 2024 - Present**

- Developed and released an open-source JavaScript library designed to persist and rehydrate form data, mitigating the risk of data loss due to accidental redirects or API errors
- Designed a landing page to showcase the library's functionality, and to provide CDN installation instructions
- Working on NPM packages to allow for integration with common front-end libraries such as React and Vue.js

Therasonic | https://therasonic.vercel.app/   **January 2024 - Present**

- Built a mood-based playlist generation app (Vue.js/SASS) that recommends music based on your personal preferences within the Spotify ecosystem using the Spotify Web & Recommendation API
- Collaborated with my UX/UI designer cofounder to transform Figma mockups into engaging reusable components