

Aaron Miller

Software Engineer | Phoenix, AZ | Remote
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TECHNICAL SKILLS

Front-End | JavaScript (ES5 and ES6), React, HTML5, CSS3, Material UI, Axios

Back-End | Node.js, Express, Mongoose, MongoDB, MySQL, PostgreSQL, RESTful API Development, ETL

Testing/Deployment | Jest, React Testing Library, Mocha, Chai, AWS EC2 / S3, NGINX, Redis, K6

Developer Tools | Vim, Git, npm, Webpack, Babel, Agile Methodology, Scrum, TDD, React & Chrome Dev Tools

SOFTWARE ENGINEERING EXPERIENCE

Full Stack Engineer | Sound Crate | [Sound-Crate.com](https://www.soundcrate.com) 2023

Created audio based social media platform | **React** | **Express** | **Node.js** | **AWS** | **PostgreSQL** | **Jest**

- Achieved 100% of project deliverables on-time using **Agile Methodology**, leading a team of seven engineers, and delivering a functional app to the client within four weeks
- Designed an interactive splash page with **asynchronous backend API** calls for immediate data availability resulting in seamless user experience
- Created a reusable 'Song Card' component with **Material UI**, enhancing user experience and increased content consumption
- Leveraged WaveSurfer.js and Tone.js **NPM** packages to successfully implement core user features, resulting in seamless recording, sharing, and manipulation of audio creations for enhanced user experience

Backend Engineer | Golden Fan Shop | github.com/RPP2207metis/Product-Overview 2023

Designed back end for ecommerce web app & REST API | **Express** | **Node.js** | **MongoDB** | **NGINX** | **AWS**

- Transitioned a monolithic back end to a microservice-based system, increasing capacity from 400 RPS to 10,000 RPS with 100ms response time resulting in **2400%** increase in throughput
- Utilized **NGINX** for load balancing and caching to improve performance
- Developed an ETL process to migrate 5.7 million data points consolidating 4 databases into 1 via **MongoDB Aggregation pipeline** and Indexing resulting in increased query speeds and formation of centralized database

Front End Engineer | Project Atelier | github.com/RPP2207goldeneye/Atelier 2022

Created Related Product widget for ecommerce web app | **React** | **Express** | **Node.js** | **MongoDB** | **Jest**

- Implemented product page according to client requirements with team using **Agile Methodologies**
- Created product carousels leveraging **localStorage** for persistent data across browsing sessions to increase sales and enhance user shopping experience
- Utilized google Lighthouse reports to improve time to first paint from over 2 seconds to 700ms by redesigning product page for load optimizations

PROFESSIONAL EXPERIENCE

Payroll Representative – Aya Healthcare 2022 - 2023

- Ensured compliance with state and federal regulations while processing accurate and timely weekly payroll for 200 nurses utilizing MS Excel for weekly audits, resulting in a perfect record of \$0 reporting errors or disputed charges with contracted hospitals

Mortgage Loan Originator – Allied First Bank 2020 - 2021

- Recognized as Q2 Top Funder for producing 100+ funded loans for \$25.8M in volume and over \$650K+ in revenue by assessing client needs, and educating on loan programs

National Purchasing Administrator – Shea Homes 2018 - 2020

- Led national team to reduce cost reporting processing times by designing a new process of data validation utilizing MS Excel, resulting in 60% reduction and company-wide adoption
- Achieved goal of 50% SKU removal by designing MS Excel process for ERP mass maintenance

EDUCATION

Hack Reactor | Certificate in Advanced Software Engineering 2023

Arizona State University | B.S. Supply Chain Management 2018

- Elected Senator for W.P. Carey School of Business - Undergraduate Student Government