Muhammad Alam - Software Engineer

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Work Experience

Credit Karma - Software Engineer

2022 - 2025

- Led critical infrastructure modernization initiatives across Node/TypeScript microservices, including OS migrations, credit reporting system upgrades, and transition from legacy server-side rendering to Next.js
- Built Net Worth tracking components empowering 40M+ eligible Credit Karma members with greater visibility of their financial picture, driving 50%+ increase in financial dashboard engagement through cross-functional collaboration with Product, Design and Data teams
- Implemented frontend and graphQL components for critical features used by 130 million+ users during app-wide redesign, which was developed and deployed ahead of schedule, resulting in increased engagement and revenue
- Contributed UI components for Intuit Assist, an AI-powered financial assistant, implementing complex state management with React and XState to deliver a smooth, secure, and compliant chat experience while handling sensitive financial data streams and user interactions

Compass - Senior Software Engineer

2021 - 2022

- Worked on Transactions team, namely Glide signatures, tasked with migration and integration of Glide's data, infrastructure and processes into Compass' stack
- Created 100% test covered typescript endpoints to transition existing non-tested python endpoints from acquired startup code and integrate Glide signatures into the Compass' microservice stack
- Maintained and executed transition from Docusign to internal Glide signatures stack by creating timelines and developer workflows to support existing Docusign transactions while upselling and integrating future transactions to Glide signatures
- Reduced latency and jank for transactions involving e-signatures by reducing redirects, bringing external api endpoints into Compass' microservices stack, and developing new components to adhere to Compass' style requirements

Better.com - Software Engineer

2020 - 2021

- implemented state machines to streamline and provide visibility to pre-approval flow, empowering millions of preapprovals during the most high traffic period of the pandemic
- Built frontend of concept mortgage servicing app consisting of several pages and microservice integrations in 3 days during company wide hackathon
- Implemented features for launching partnership promotions with partner companies including American Express, Credit Karma, NerdWallet and others
- Built and improved UI components for preapproval flow in React on top of legacy Ember.js and typescript frontend

Condé Nast - Software Engineer

2019 - 2020

- Built infrastructure and tools using web performance API, Splunk, and D3.js to measure and analyze performance of proprietary video player, collecting web performance data from millions of users daily to identify bottlenecks in content and ad delivery pipeline
- Implemented new functionality to enable mid-roll ads and side-rail layout on proprietary web video player, built on video.js and RxJS, increasing ad views by more than 17% within the first quarter of launch
- Updated internal Ruby on Rails applications from using CoffeeScript for client side rendering to React for improved functionality and maintainability
- Designed and contributed features and components to greenfield MERN stack application to be used organization-wide to improve communication and workflow between various teams and entities throughout company

Viewlift - Software Engineer

2018 - 2019

- Built frontend side of new features for our platform including localization, geotargeting, watch history tracking and more
- Created and configured endpoints on Node/Express application to serve data and feeds for OTT applications and RSS/MRSS
- Designed and created elaborate UI elements including toggle filters, menus, dropdown components and more in React to improve product functionality and user experience
- Optimized and debugged complex frontend architecture through multiple caching layers in production environment at scale

Teaching Experience

- Lead Programming Instructor at multiple ed-tech companies (Fullstack Academy, Thinkful, Codecademy), delivering curriculum-based instruction to college students and adult learners in bootcamp settings
- Provided 1:1 technical coaching and debugging support for students learning web development, focusing on JavaScript, React, and full-stack applications
- Conducted comprehensive code reviews and provided detailed feedback on student projects, emphasizing code quality, best practices, and industry standards
- Developed and delivered both structured coursework and personalized instruction across multiple learning formats including virtual classrooms, asynchronous reviews, and weekend workshops

Military Experience

Combat Medic (68W) in US Army/NY National Guard (2013-2019); provided field trauma care with 1-69th Infantry and managed statewide soldier health assessments for NY MEDCOM, serving 10,000+ personnel

Education

Bronx High School of Science - Advance Regents Diploma
Stony Brook University - B. S. Biology (Bioinformatics/Quantitative Biology)