

Omar Lalani

omaralalani@gmail.com

817-874-0113



www.linkedin.com/in/omaralalani

Recent Experience

LinkedIn – Staff Software Engineer (Tech Lead)

Nov 2021 – Present

Premium for Small Business – Java / Python

Objective: Make small business owners (1-50 employees) successful on LinkedIn

- Leading 15+ engineers with the development, early preview, and launch of LinkedIn Business Suite – a new premium subscription designed to help small business owners sell, market, and hire on LinkedIn
- Implemented AI generated hiring and sales messaging that personalizes outreach to candidates and sales prospects by leveraging OpenAI's Chat Completions API
- Expanding non-English language support for the "Rewrite Post with AI" feature via OpenAI's Chat Completions API

Apply Integrations – Java

Objective: Make all jobs on LinkedIn Easy Apply enabled - 

- Architected and built "Apply Connect Lite", enabling Applicant Tracking System partners to continue sending job data via XML while seamlessly integrating real-time screening questions from LinkedIn APIs, ultimately growing the number of Easy Apply jobs from 50k to 380k and the number of weekly job applications delivered from 350K to 3.75M in 2.5 years
- Led cross-functional collaboration with Oracle HRM, LinkedIn leadership, and the Job Ingestion Engineering team to build outbound integrations, unlocking 2M+ additional jobs for LinkedIn and making the Easy Apply experience available to large enterprise customers by rearchitecting the tech stack to function like a platform within LinkedIn
- Managed a global engineering team of 17 engineers by organizing sprint stories, conducting code and design reviews, and driving knowledge transfer sessions to ensure timely delivery of key milestones
- Spearheaded the transition of Apply Integrations charter to an offshore team by conducting deep-dive knowledge transfer sessions, ensuring sustained program success and minimal disruption to core services during the transition

Amazon – Software Development Engineer II

July 2017 – Nov 2021

Alexa – Engagement Incubation Team – Kotlin / Java / TypeScript

Objective: Rapidly prototype new experiences with a goal to increase customer engagement with Alexa

- Designed, prototyped, and implemented an Alexa Skill exclusively for the next generation of Alexa devices
- Prototyped a React Native experience in the Alexa mobile app to help customers finish setting up their Alexa device

Search – Softlines Discovery Science Team – Scala / Java

Objective: Support ML scientists in the improvement of search results for clothing, shoes, jewelry, and luggage on amazon.com

- Implemented a new Apache Spark job authoring workflow which eliminated 95% of code related failures during feature engineering by migrating code authoring from a web form to source control
- Designed and implemented an AWS QuickSight dashboard of aggregated customer search queries which allowed stakeholders to explore data and for engineers to monitor, investigate, and troubleshoot defects in search results

Alexa – Amusement Team – Kotlin / Java

Objective: Deliver Original Content (Songs, Jokes, Poems, Easter-Eggs, etc...) and enhance Alexa's unique personality

- Re-Implemented the "tell me a joke" experience (1.75M+ requests per day) which improved latency by ~85% while reducing server costs by ~70%
- Designed and implemented a real time data replication workflow to ensure a consistent and seamless customer experience while migrating to the new jokes experience
- As acting scrum master, I conducted daily standups and met weekly with the Product Manager and Software Development Manager to plan sprints and negotiate realistic deadlines with stakeholders

Alexa – Answer Gathering Team – Kotlin / Java

Objective: Source answers for all subjective questions asked to Alexa i.e. "What's your favorite ____?"

- Migrated one of two answer sourcing workflows to run on AWS Lambda which significantly reduced operational burden
- Designed and built a real time system on AWS Lambda and Elasticsearch to analyze, identify, and prevent low quality answers from being ingested

Education

University of Texas at Austin

Bachelors – Computer Science and Math

Amazon Machine Learning University

Courses Completed: Math, Regression, Data, Feed Forward Neural Networks, Convolutional Neural Networks

Skills

Experience with AWS Products:

Lambda, EC2, SNS, SQS, Athena, CloudWatch, CloudFormation, Elasticsearch, DynamoDB, S3

Languages (In decreasing proficiency):

Java, Python, Kotlin, TypeScript

Other Technologies:

Kafka, React, Apache Spark, SQL, OpenAI