Tyler J. Roberts

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Summary

   Software engineer with 6+ years experience in development and design. My most recent work has been well-balanced between building back-end systems, and front-end web applications.

Skills: agile, amazon web services (aws), api, ci/cd pipelines, css, databases, docker, express, git, grafana, html, java, javascript, jira, kafka, kotlin, kubernetes, linux, nodejs, project management, python, reactjs, scrum, seo, sql, typescript, version control

Experience

Software Engineer & Project Manager

Copper + Honey Salon · Freelance

Feb 2023 − Present · Remote

− https://www.copperandhoneysalon.com
− Designed fully functional website from scratch, using Javascript, React.js & AWS to quickly launch in time for the client's grand opening.
− Leveraged SEO techniques resulting in the website rising to the top Google Search results for hair extensions in the local area. Consistently receiving 300+ clicks/month.
− Designed solution for clients to edit their employee info on their site at any time, seamlessly working across all screen sizes.
− Work directly with the owners and an independent UX Designer, in order to design software solutions, create timelines, and conduct demos.

− *Tools & Technologies: AWS, Javascript, React.js, Material UI, SEO.*

Software Engineer

Warner Bros. Discovery · Contract

Mar 2023 − Dec 2023 · Remote

− Became key team contributor within first month by quickly becoming a part of on-call rotations, contributing to code reviews, and pushing code, allowing our team to meet the MAX launch deadline in May.
− Led efforts of designing novel integration tests using Jest framework, setting up new Grafana monitoring + alerts with Terraform for the new MAX services.
− Lead engineer tasked with onboarding a new Golang service from a re-org. Required collaboration with three away teams, to understand the service and get it running before my contract's end.

− *Tools & Technologies: AWS, Typescript, Node.js, Express.js, Kafka, Grafana, Kubernetes + Docker*

Software Engineer

Amazon.com · Full-Time

Dec 2019 − Jan 2023 · Seattle, WA

− Designed system to serve unique responses to Alexa customers, using Kotlin & AWS to serve over 100,000 requests per day across the globe.
− Developed front-end web application using Javascript & React.js to create Alexa's content. Used Puppeteer and Jest for testing. Setup DNS & routing configurations, load balancing, and oath2.
− Developed filtering logic to serve personalized responses based on the individual customer's device setting. Used GraphQL to communicate with different teams' APIs to work with this feature.
− Migrated all Alexa personality content from a legacy CMS, to ACMS/ARMS. Three month endeavor that required the development of bulk migration scripts, working closely with a select few engineers, PMs, and content creators across all supported locales.
− Led the org in hiring engineers by conducting over 50 interviews in Q1 2022, resulting in a higher head count for hiring. Received the quarterly award for this effort.

− *Tools & Technologies: AWS, Kotlin, Javascript, React.js, CI/CD Code Pipelines, Git*

Software Engineer
Cockroach Labs · Full-Time

May 2019 − Sep 2019 · New York, NY

Cockroach Labs
− Apart of the Bulk I/O team, responsible for bulk operations in the database, including backup and restore, and schema changes in the database.
− Fixed issue where the dump operation would include interleaved table statements inside of create table statements, causing dependency issues upon a restore.
− Designed features for the backup & restore process to include additional metadata about the cluster. Required a redesign of how the process worked, and reduced manual steps by the user.
− *Tools & Technologies: Golang, SQL, Git/Github.*

Software Engineer
Dataminr · Full-Time

Sep 2018 − Feb 2019 · New York, NY

− Worked on developing the tools used to search and filter through the Twitter pipeline and other media sources.
− JVM code base comprised of Scala and Java, with an AWS infrastructure. Kinesis used for processing the large data sources, where S3 was used to store the raw data.
− Migrated Pastebin data source from Kinesis to Kafka. Involved dependencies between several teams, and required collaboration among them.
− *Tools & Technologies: Scala, Java, Maven, Docker, AWS, Google Guice, Git/Gitlab, IntelliJ, MacOS.*

Software Engineer
IBM Corporation · Full-Time

Jul 2017 − Aug 2019 · Yorktown Heights, NY

− Developed Python application in collaboration with sister team that moved locally stored data and user accounts to Bluemix, IBM's cloud platform as a service.
− Designed and engineered a web application from the ground up using HTML, CSS, Angular, and Bootstrap. Responsible for the front-end, including page navigation using an MVC design pattern.
− Used Docker to rigorously test the deployment of the web application onto the servers.
− *Tools & Technologies: Python, Docker, HTML, Angular, Javascript, PyCharm, MacOS.*

Education
B.S. Computer Engineering, Computer Science, & Mathematics with Physics Certificate (minor).
University of Wisconsin - Madison, May 2017