

EXPERIENCE

REDFIN | SENIOR SOFTWARE ENGINEER

Jan 2020 - Present | Frisco, TX

- Full-stack engineer on the Home Services team. Working with Java SpringBoot Microservices to develop RESTful API's, Kubernetes for Cloud Container deployment, Netflix Conductor for Microservice Orchestration, React for frontend development.

CAPITAL ONE | SENIOR SOFTWARE ENGINEER

July 2019 - Jan 2020 | Plano, TX

- Designed and developed Metadata Management Service. Including discovering metadata across entire corporation, automated data pipeline to bring data into internal database to be used for the marketing platform. Developed frontend application with role-management to facilitate the data onboarding process. (Java, SpringBoot, Vue, PostgreSQL, MemSQL, AWS, ECS)
- Patent pending on dataset collation process to use data from multiple sources, with multiple cadences as consolidated dynamic view. (Java, SpringBoot, NodeJS, SQL)
- Patent pending on API introspection and invocation process. (Java, SpringBoot, OpenAPI Spec)
- Continued maintenance and development on six microservices for marketing platform.
- Demonstrated leadership by mentoring new team member on Vue development, and leading sub-team with detailed requirements and dates.

CAPITAL ONE | SOFTWARE ENGINEER

July 2017 - July 2019 | Plano, TX

- Designed and developed an enterprise-wide platform for automated, real-time, always-on, intelligent marketing platform. Primary developer and owner of six microservices, and one of three frontend developers. (Java, SpringBoot, NodeJS, MemSQL, PostgreSQL, Javascript/Typescript, HTML/CSS, WebComponents, AWS)
- Developed an Ad Server integrated with Google AdSense to serve dynamically rendered, individually customized vehicle ads based on customer information. Intelligently parses vehicle make, model, and body type from source website. Patent pending. (Java, SpringBoot, NodeJS, ECS, Redis, HTML/CSS, Mustache)
- Instrumented metrics for over a dozen microservices, using Prometheus. Authored rules for PagerDuty alerts based on metrics, with Slack integration. (Prometheus, PromQL, Slack)
- Implemented API and UI for Call Center agents to capture notes from customer communications. (Java, Angular, AWS, PostgreSQL)
- Designed and implemented Automated Handwriting System using RNN Machine Learning Algorithms, with UI, server, and polling client to write greeting cards to customers. (Python, Tensorflow, Angular, AxiDraw V3)
- Developed enterprise-wide API for Cloud file storage abstraction, and an automated data migration system to extract files from the on-premise Data Center to the Cloud with unique IDs for fast retrieval. (Java, ECS, S3, SQS, CFT, SQL)

CAPITAL ONE | ASSOCIATE SOFTWARE ENGINEER

July 2016 - July 2017 | Plano, TX

- Developed an Angular Widget for all Financial Services applications to capture customer feedback. (Java, SpringBoot, Angular, AWS, PostgreSQL, Splunk)
- Built ad-hoc data analysis platform using open-source Apache Zeppelin. Implemented features: connection to Redshift Clusters, schema browser, SQL parser/linter/visualizer. (Java, Angular, AWS, Redshift, Elasticsearch, Spark, R, Python)

EDUCATION

RICE UNIVERSITY | COMPUTER SCIENCE, STATISTICS

Aug 2012 - May 2016 | GPA: 3.7

- Computer Science Courses: Artificial Intelligence, Game Creation & Design, Operating Systems, Concurrent Programming, Database Systems and Design, Object Oriented Programming, Compilers, Data Structures, Advanced Algorithms
- Statistics Courses: Data Mining, Statistical Learning, Financial Time Series, Regression Analysis, Bioinformatics

SKILLS

PROGRAMMING

- Java
- Python
- JavaScript/Typescript

- HTML/CSS
- SQL
- R
- Matlab
- C
- C++

FRAMEWORKS

- AWS
- Spring/SpringBoot
- React
- React Native
- Vue
- Angular

GITHUB

- <https://github.com/yaylinda>