

Akshay Karthik

SOFTWARE ENGINEER

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Skills

Languages and Platforms **Python, javascript/node.js (typescript), javascript/react.js (typescript), Java, Rust**
Infrastructure **AWS (Amazon Web Services), Terraform, Pulumi, CDK, GCP (Google Cloud Platform)**
Databases and Platforms **Spark/SparkSQL, PostgreSQL, Redis, Elasticsearch, Kafka**

Experience

Compass

Remote (NYC)

STAFF SOFTWARE ENGINEER

March 2021 - Present

- Worked with several teams of software engineers to build out a datalake from scratch.
- Worked on vendor evaluation (choosing between Redshift, Snowflake, Databricks, etc) and made technical decisions for the data analytics organization

Amazon Web Services (AWS)

Remote

SOFTWARE DEVELOPMENT ENGINEER

July 2020 - March 2021

- Worked on components of AWS Developer Tools infrastructure and systems
- Worked with different teams across the world
- Developed and deployed high performance, scalable software in java, kotlin, typescript that drove access control and authorization for many developer tools

Remine

Fairfax, VA

PRINCIPAL SOFTWARE ARCHITECT

Jan. 2019 - July 2020

- Architected MLS 2.0, a multiple listing service system. Owned the architecture and the initial development team of 14.
- Developed architecture guidelines, documentation, and system implementation using PostgreSQL, node/typescript, react.js. Deployed on kubernetes in AWS via CI/CD.
- Worked directly with stakeholders to set up infrastructure and initial implementation of a product vertical.
- Mentored developers across business verticals, primarily focused on backend and data oriented architectural design considerations and code quality.

Remine

Fairfax, VA

PLATFORM ENGINEERING LEAD

June. 2017 - Jan. 2019

- Lead two teams of six developers focused on data pipelining and backend services.
- Lead a data pipelining team to automate and improve infrastructure surrounding ETL from third party vendors. Architected monitoring and deployment patterns to scale from a dozen ETL sources to over 50.
- Lead a services team focused on integrations with third party vendors and CMS systems. Set up technical guidelines and some automation to make continuous delivery feasible.
- Developed backend and data pipeline for app-v2, a rewrite/rebuild of the company's main product.
- Developed APIs deployed on kubernetes with full CI/CD

Gannett Digital

Fairfax, VA

SOFTWARE DEVELOPER

June. 2014 - Jun. 2017

- Developed applications in Python and javascript (node.js) that served: 96 million MAU across 93 properties 1.2 billion monthly page views
- Developed key infrastructure that powers *Presto*, a real time content publishing and authoring system that powers 93 newspapers across the United States
- Worked with Solr, Couchbase, and RabbitMQ to provide high throughput, high availability services

Education

George Mason University

Fairfax, VA

B.S. IN COMPUTER SCIENCE

Aug. 2013 - May. 2016