MAHESH VEERABATHIRAN

STAFF SOFTWARE ENGINEER

◆ AUSTIN, TEXAS

◆ 512-413-0675

• DETAILS •

Austin, Texas 512-413-0675 maheshvra@outlook.com

· LINKS ·

Website

Linkedin

• SKILLS •

Java

Scala

Golang

AWS

Kubernetes

Containers

Apache Spark

Apache Kafka

PostgreSQL

MongoDB

Terraform

Ansible

Elasticsearch

Redis

Kotlin

React

• LANGUAGES •

English

Tamil

PROFILE

Results-driven Technical Leader with over 15 years of experience in engineering cloud-native services and platforms. Proven track record of delivering high-quality technical solutions under pressure. Skilled in creating technical strategies, fostering shared understanding with senior leaders, and guiding teams to architect, design, and deliver solutions. Experienced in leading Developer Advocacy programs to maximize developer efficiency.

PROFESSIONAL EXPERIENCE

Staff software engineer at VMware, Texas

April 2022 — Present

- Successfully reengineered the Multicloud cost analyzer tool from the ground up, including obtaining approval from the organization-wide Architecture forum.
 Optimized cost by 60%, performance by 67%, and enhanced customer experience by saving 40+ hours of delay during subscription upgrades/downgrades.
- Architected and implemented a distributed, event-driven orchestrator for the industry-leading Multicloud cost spending analyzer. Scaled to process millions of events and crunching billions of data daily for 16K+ clients.
- Developed a Scala-based Apache Spark solution that replaced the legacy Java application, utilizing Elasticsearch for cloud Asset Indexing and querying. The solution eliminated the operational cost of Elasticsearch alone by \$40k monthly.

Senior Lead software engineer at Capital One, Virginia

September 2014 — April 2022

- Redesigned a real-time, low-latency ML model execution platform, saving over \$25M and 20+ weeks of developer effort per year.
- Developed real-time microservices for acquisition and customer retention programs, generating over \$1B in revenue. Created a home-grown rules engine to enable product stakeholders to manage customer retention rules.
- Engineered an event-driven, high-volume, cloud-centric feature computation platform and built a low-code feature authoring framework, accelerating the contribution of 500+ features.
- Architected and implemented a highly available, cloud-agnostic Kubernetes cluster for managing 500+ high-volume container workloads.

Senior software engineer at AIG, New Jersey

June 2013 — September 2014

 Implemented a data warehouse for an insurance company, precomputing summarized data attributes for business reporting dashboards and data analytics.

Senior software engineer at L&T Infotech, India

March 2010 — May 2013

- Launched a data extraction and ingestion framework with built-in data quality and correctness checks, automating customer investment risk assessments.
- Built a component to transform complex XML sources to Parquet format.

Software engineer at XLabz Technologies, India

June 2009 — March 2010

• Designed highly interactive budgeting software, saving a project from closure by engineering sophisticated, responsive data visualization widgets.

EDUCATION

B.S. Computer Science, Anna University, India

★ CERTIFICATIONS

Certified Kubernetes Administrator

June 2018

AWS Certified Developer - Associate

August 2016

★ ACHIEVEMENTS

Won multiple hackathons

Delivered technical talks at multiple conferences

¶ REFERENCES

References available upon request