Vikas N Murthy

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Summary

Experienced Software Engineer with over 8+ years in the industry. I specialize in building highly scalable distributed systems. I have a Master's degree in Computer Science from USC. I'm passionate about technology and driven by a dedication to excellence, I thrive in dynamic and challenging environments. Open to collaboration and continuously seeking opportunities for professional growth and innovation.

Experience

Walmart Global Tech | Sunnyvale, CA
Staff Software Engineer | 10/2021 - Present

- I am leading a team of engineers in transforming the item setup pipeline and systems involved to handle higher throughput and support cloud elasticity automatically using principles defined in the Reactive Manifesto.
- Building tools to support catalog update, refresh the product search index and provide software tools to Category specialists to enrich catalog and search data.
- As an area lead I am responsible for the design, planning and implementation of various business initiatives that power the walmart.com and store shopping experience.

Walmart Global Tech | Sunnyvale, CA
Senior Software Engineer | 02/2018 - 10/2021

- Lead the design and development of data pipelines and platform which integrated with the walmart store ecosystem and made the complete store catalog available online. This platform was also a key factor which enabled the merger of the legacy grocery app with walmart one app which resulted in increased customer traffic and sales across marketplace and grocery domains.
- Designed and developed several components involved in the catalog setup pipeline which enabled merchants to set up items effortlessly and reduced the overall item setup time and increased the catalog accuracy resulting in better search experience to the customer and increased basket size.

Emperia Inc | Seattle, WA
Software Development Engineer I | 02/2017 - 02/2018

- Implemented a distributed cache in cloud using AWS that reduced the object load time in production by 70%. Developed RESTful service using Spring to update JSON data extracted from events triggered by underlying services to the Amazon S3 bucket.
- Developed an application to lookup and perform CRUD operations on objects in AWS S3 building the backend API in Spring Boot and frontend using Bootstrap, JS, jQuery, AJAX.

SAP Labs | Bengaluru, KA
Associate Software Engineer | 06/2013 - 06/2015

- Designed and developed Java based MVC Framework and backend components to model business data fetched from the client server. Developed Widget Factory to render various UI components from a configurable XML.
- Worked in developing new features and functionalities for the product SAP Retail Execution, an ANDROID application designed to help sales representatives and merchandisers in planning visits and tracking sales data.

Skills

JAVA, Python, Software development, Architecture, System Design, Project / Program Management, CI/CD, Cloud Computing, Kafka, Cassandra, SQL, Spring, AWS, GCP

Education

University of Southern California | Los Angeles, CA
Computer Science | 12/2016
Achieved a Master's Degree with a GPA of 3.68. Courses: Applied Natural Language Processing, Artificial Intelligence, Information Retrieval and Web Search Engines, Analysis of Algorithm