

RAVI SHANKAR

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EXPERIENCE

Amazon Web Services *Commerce Platform*
Senior Software Development Engineer

July 2021 - present
Seattle, WA

- Team leader of FactStore, a versioned data store, which powers Commerce Platform. Currently, working on designing FactStore V2 and drafting 3 to 5 year vision of the service.

Amazon Web Services *Commerce Platform, CodeStar Notifications*
Software Development Engineer II

Jan 2019 - July 2021
Seattle, WA

- Worked on launching VMware Cloud on AWS, a jointly engineered service that brings VMware enterprise software to AWS Cloud. Launched various micro-services to automate 75% of the back-office processes to onboard a customer to both AWS and VMware, record their revenue and sales compensation, verify billing, apply discounts and finalize the payment.
- Worked on org-wide (Commerce Platform) data migration project to migrate customer's data in real-time with no service downtime and dynamically cutting over traffic from source to target.
- Launched AWS CodeStar Notifications for customers of AWS Developer Tools to subscribe for events in AWS CodeBuild, AWS CodeCommit, AWS CodeDeploy and AWS CodePipeline. Launched AWS CodeStar Notifications on AWS Chatbot and Slack.

Amazon.com, Inc. *Alexa Notifications, Marketplace*
Software Development Engineer I & II

July 2015 - Jan 2019
Seattle, WA & Tempe, AZ

- Launched Notifications on Alexa devices for Kids. Rearchitected Alexa Notifications Platform to introduce user profiles in households. Worked on optimization of the platform such as 1.5M call reduction to downstream service.
- Migrated Feeds and Reports Platform's data storage from relational database to key-value data store with volume 5.3B requests weekly with zero downtime and without affecting a single request. Reduced Feeds and Reports Platform's infrastructure cost by \$491K YoY to meet Director level goal.
- Worked on migrating feed processor from AWS Simple Workflow to new distributed systems powered by DynamoDB streams and SQS queue. Launched template library to reduce efforts required by partner teams to onboard with feeds platform. A reduction of 87% time spent in development from ~100 days to ~10 days.

Amazon.com, Inc. *Prime Pantry*
Software Development Engineer Intern

May 2014 - Aug 2014
Seattle, WA

- Developed intuitive real-time order dashboard for Amazon Prime Pantry to display various metrics, such as best-sellers, regional order count, order-rate, Fulfillment Center distribution, Gross Merchandise Sales etc. Dashboard got recognized by Jeff Wilke, Senior Vice President, Consumables, Amazon.com.

EDUCATION

Arizona State University
Master of Computer Science
GPA: 3.39

May 2015
Tempe, AZ

PROGRAMMING

Proficient: Java

Familiar: Python, Ruby, Kotlin, JavaScript, HTML, CSS