

Arman Shanjani

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EDUCATION

University of Wisconsin - Madison

May 2017

M.S. Computer Science | GPA: 3.9/4.0

Rutgers University

May 2015

B.S. Computer Science | GPA: 3.7/4.0; Major GPA: 4.0/4.0

SKILLS

Languages: Java, Go, C, Swift, Bash

Tools/Frameworks: Spring, Terraform, Spinnaker, AWS, OpenStack, Hadoop, Git

Databases: DynamoDB, MySQL

EXPERIENCE

MuleSoft, San Francisco, CA | Software Engineer

September 2017 - Present

- Object Store Service
 - Architected new scalable data schema and planned zero downtime migration
 - Set up CI/CD pipelines using Jenkins and Spinnaker to automate deployment
 - Reduced costs by 7x through tuning AWS DynamoDB autoscaling
 - Implemented CLI tool to evict expired objects in AWS S3
 - Created reusable library for access logs
- Message Queue Service
 - Mitigated authentication service downtime by implementing fallback caching strategy
 - Enhanced user experience by redesigning and reimplementing Mule 4 connector
- Rate Limiting
 - Added MuleSoft's own API Gateway in front of Object Store and Message Queue
 - Planned and executed traffic switchover with zero downtime
 - Created easy-to-use module allowing other services to seamlessly adopt rate limiting
- AWS CloudWatch Alarms
 - Built framework to easily send CloudWatch alarms to custom endpoints, such as Slack
 - Resulted in faster visibility of problems in production
 - Resulted in standardization of how CloudWatch alarms are used across the company
- Terraform State Modifier
 - Reduced time spent on Terraform state modifications by 16x through automation of manual work
- Pull Request Notifier
 - Increased efficiency by creating service to send immediate Slack notifications for GitHub pull requests
- Miscellaneous
 - Mentoring summer intern through features, such as delay queues
 - Leading planning meetings while manager is out for paternity leave

UW, Madison, WI | Teaching Assistant (Data Structures, Intro to OS)

September 2015 - May 2017

- Implemented class projects as well as testing scripts to grade students' submissions
- Held lab hours to provide one-on-one assistance for projects
- Designed and lectured discussion sessions to explain high level topics with concrete examples

ZeroStack, Mountain View, CA | MTS Intern

June 2016 - August 2016

- Performed R&D for integration of TrilioData, an OpenStack backup and recovery solution
- Contributed to system design regarding high availability, fault tolerance, and upgradability
- Integrated TrilioData into ZeroStack platform

Make School, New York, NY | Summer Academy iOS Instructor

June 2015 - August 2015

- Taught students about the Swift language and the iOS platform
- Helped students turn their ideas into apps and ship them to the App Store