SHREYAS GAONKAR

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EXPERIENCE

Amazon Web Services   **Seattle, WA**

Systems Development Engineer II – Amazon CloudWatch Logs   September 2021 – Present

- Scale CloudWatch Logs in 40+ AWS regions to handle 10Tbps+ traffic with 99.95% uptime using Elastic Network Load Balancers.
- Led CloudWatch Logs IPv6 implementation across all commercial regions resulting in reduced network overhead and costs.
- Led migration of Amazon's internal logging archival service, handling 4Tbps+ traffic without any data loss for internal customers.
- Build and deploy CloudWatch Logs using IaaS CI/CD pipelines using Ruby & TypeScript, and automation using Python scripts.
- Write detailed design documents, and get peer-reviewed by Principal & Senior Engineers and Software Development Managers.
- Review and create robust change management tasks to ensure safe and efficient modifications by minimizing risks.
- Root cause performance, reliability, and availability issues, delivering robust solutions that improve system stability and uptime
- Develop tools using AWS CDK and TypeScript to help CloudWatch Logs teams create fully automated CI/CD pipelines, including alarms, with easy scalability for integrating new services.
- As Scrum Master, led bi-annual and quarterly roadmap planning and retrospectives, driving steady and continuous progress.
- Perform code reviews, write internal runbooks, and mentor new hires.

Cloud Support Engineer II   October 2020 – September 2021

- Accredited AWS Lambda Subject Matter Expert (SME)
- Worked with internal Lambda and SNS service teams to address escalations and any service-related anomalies.
- Delivered training on serverless services to external AWS candidates and mentored new hires.
- Worked with AWS SAs and TAMs on Infrastructure Event Management (IEM) to plan and execute critical business events.

Cloud Support Engineer I   August 2018 – October 2020

- Author public knowledge articles for API Gateway, AWS Lambda and Amazon SQS.
- Assisted architect first-of-its-kind COVID-19 contact tracing application for the Govt. of Ireland's Health Service Executive (HSE).
- Worked on escalated enterprise & business customer cases, and internal tickets with AWS service teams and support engineers.

Cloud Support Associate   June 2017 – August 2018

- Worked with serverless compute, messaging & queuing, APIs, database AWS services, along with storage and delivery services.
- Assisted in developing tailored AWS integration solutions optimized for cost efficiency and performance for AWS customers.

Marketing Relevance, LLC   **Chicago, IL**

Full Stack Web Developer   August 2016 – May 2017

- Designed, developed, and deployed secure websites using LAMP stack and Foundation framework.
- Accelerated sales of homebuilder clients using industry-leading mobile-first design increasing the overall conversion rate to 5%.
- Created high-fidelity website prototypes and wireframes as initial designs during client discovery calls.

SKILLS

Programming Languages: Python, Ruby, Bash, TypeScript, Java, HTML, CSS, JQuery & MySQL
AWS: CloudWatch, Lambda, API Gateway, Kinesis, SNS, SQS, S3, EC2, AutoScaling Group & CloudFormation
Other: Distributed Systems, Git, CI/CD, Amazon Linux, RHEL, Docker, LAMP stack and REST API

EDUCATION

University of Illinois at Chicago   **Chicago, IL**
Master of Science in Computer Engineering   May 2016

University of Mumbai   **Mumbai, India**
Bachelor of Engineering in Electronics   May 2014

Technical Papers

- Design, Modeling, & Implementation of 8-bit Processor for Intelligent Automatic Chocolate Vending Machine
- Automated Toll Collection System using RFID backscattering and cloud-based server

PROJECTS

- AWS Lambda Python and CLI code samples: https://tinyurl.com/shreyas-lambda & https://tinyurl.com/shreyas-awscli
- Scalable Serverless URL shortener using AWS Lambda, API Gateway & DynamoDB: https://tinyurl.com/shreyas-url-shortner
- Personal media streaming server - Plex media file cleaner using Python: https://tinyurl.com/shreyas-plex