

Shreyas Gune

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Intent: Understanding and adopting Service Level Objectives; Creating SLI's, methodologies and tools in service to those objectives. Monitoring, Automation, Change Management, Release Management, Logging and Runbooks, Documentation, Incident Response, Realistic Escalation Policies, Analytics for those things, OpSec, POCs and Error Budgeting.

PROFESSIONAL EXPERIENCE

Site Reliability Engineer, USA Today Network

July '17 – Present

Tech Used: Fastly (CDN config and management), New Relic (APM, Infrastructure, Synthetics scripted browser), Golang, Python, Bash, Docker, Kubernetes (Self Hosted and GKE), Amazon Web Services, Data Studio, Jenkins, Groovy, Scalr, Terraform, Consul, Swagger, Varnish Configuration Language, Couchbase, DNS management using NS1 and R53 and various Google Cloud products.

Work Profile:

- Writing an entire api-management solution (auth, url-morph and more) and implement it on Fastly's CDN Edge POP using Varnish Config.
- Engaged with teams across the company to define success for our technology using Service Level Indicators and Service Level Objectives.
- Worked with consumers of the platform-engineering systems to understand expectations around user experience.
- Improved and established best practice around various applications and the infrastructure it runs one using monitoring, alerting and resolution principles.
- Automated complicated workflows to save time and level of effort.
- Containerized applications with Docker so that they may run lean and cost and resource optimized on cloud architecture.
- Scripted APIs and services to reduce toil for problems occurring often.
- Researched new tools to optimize cost, deployment speed and resource usage.
- Assisted in improving and evangelizing our onboarding structure and documentation.

Responsibilities:

- Automation projects - containerization, creating new services to deliver to teams
- Documentation - technical writing (walkthroughs, labs), internal technology blog posts, etc.
- Production Readiness Reviews - engaging with teams as subject matter expert for building efficient, available systems.
- Cost Optimization – calculating usage and tuning resources to reduce waste and reduce cost to company.
- Internal tooling – building scripts and tools to serve niche use-cases and specific workflows, including CI & CD.

Fullstack Developer, AT&T

Aug '16 – May '17

Tech Used: Perl, Javascript, Python, Jenkins, HTML5, CSS, Docker, ReactJS, RESTful apps.

- Written and deployed Test Driven Development based features to AT&T's BizOps Escalation and Ticketing tools.
- Developed a JIRA based ticket notification feature via a cron job notifying the developer of the feature that failed the tests.
- Robotic Programming Automation tasks using Automate Anywhere and Pega Robotics – Object based Web scraping.
- Developing API's that scale for web services with new feature integrations.
- Set up continuous deployment and continuous integration pipelines using Jenkins.

Development Engineer Intern, Ericsson, Plano, TX

Jun '14 - May '15

Tech Used: Javascript, Python, SQL, VoWifi, VoLTE, 3GPP, IMS, Flask, Nodejs, GoogleAPIs, REST

- Developed cell-site tracking web-app for the Network Deployment Service team
- Built and maintained Business Ops dashboard for PMO team and senior executives, for internal statistical analysis.
- Worked in the Professional Services team and wrote a whitepaper on VoWifi (IMS, 3GPP Spec)

Achievements: Intern of the week (January 2015), Extension of internship: based on performance (2014 and 2015)

TECHNICAL SKILLS

Programming Languages: Golang, Groovy, Python, Bash, Varnish Config Language, YAML

Operating Systems: Linux, MacOS, Windows

Software Applications: Docker, Jenkins CI/CD, Git, AWS, Google Cloud, Kubernetes, Vault, Consul, Apigee, Terraform

Networking Skills: TCP/P, DNS, HTTP REST, Cluster Networking, Docker Networks, Kubernetes N/W, Service Mesh

Memberships & Leaderships

Inductee, Eta Kappa Nu, Engineering Honors Society (2015-Present)
Academic Excellence Award, Engineering Senator, Student Congress
Speaker at New Relic's FutureStack DC 2019 on *SRE Methodology at USA Today*
Research Participant at Google Cloud Research Division

Education

The University of Texas at Arlington, M.S. in Electrical Engineering, 2015
The University of Mumbai, B.E. in Electronics and Telecommunications, 2012

Projects

Github: <https://github.com/shreyasgune> DockerHub: <https://hub.docker.com/u/shreyasgune>