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Balaji Sigamani
Software Development Engineer (Infrastructure)

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SKILLS

Programming	Golang, Python.
Operating System	Linux, Windows.
Cloud	Amazon Web Services.
Tools	Docker, Kubernetes, Terraform.
CI/CD	Gitlab CI, Jenkins, ArgoCD.
Misc	Networking, Security.

EXPERIENCE

Software Development Engineer 1   **Jun 2022 – Present**
Ola cabs   *Bangalore, India*

- Developing an application (developer portal) to migrate mesos workloads to kubernetes.
- Implementing kubernetes operators/controllers for custom solutions in the infrastructure.
- Implemented installation and benchmark testing of CNI plugin for network security in the kubernetes cluster.
- Integrated LDAP authentication in most of the devops tools being used by the devops team.
- Working extensively with ArgoCD to make kubernetes deployment in a more optimized way.

Associate Site Reliability Engineer   **Jul 2021 – May 2022**
Trimble Inc   *Chennai, India*

- Implemented automated software patches for more than 100 nodes in AWS via serverless functions.
- Created infrastructure for applications with disaster recovery in place via infrastructure as code.
- Acted as a security representative for major applications.
- Incident management for business critical systems. Written blameless post-mortem reports on incidents.

Graduate Technical Intern   **Jan 2021 – Jun 2021**
Trimble Inc   *Chennai, India*

- Wrote a single E2E test framework for web,Android and IOS Applications.
- Facilitated reduction in infrastructure cost by eliminating and optimizing workloads in AWS.

ACHIEVEMENTS

- IEEE publication - Web Application Firewall Evasion Techniques - https://ieeexplore.ieee.org/document/9074217
- Scopus publication - Sniffing HTTPS traffic in LAN with ARP Poisoning - https://acadpubl.eu/hub/2018-119-12/articles/7/1671.pdf

PROJECTS

- OSINT – Developed a web app under Ministry of police in Smart India Hackathon 2020 based on open source intelligence to get detailed insight about a suspect.

- Data Authenticity App - developed with QLDB Ledger database to ensure the integrity of data when passed from one app to another.

LICENSES AND CERTIFICATIONS

- AWS Certified Sysops Administrator Associate.

- Gremlin Chaos Engineering Professional.

EDUCATION

Sri Krishna College of Engineering and Technology   **2017 – 2021**
Bachelors of Technology, Information Technology   *Coimbatore, India*