Sharukhan Najeeb

(Software/Network Engineer)

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SUMMARY

A Seasoned Software/Network Engineer with 8+ years of expertise in building scalable cloud-native systems. Passionate about scalable systems, database internals, and bridging infrastructure with innovation. Proficient in Golang, Python, and Node.js, with a track record of leading cross-functional teams to deploy mission-critical microservices and HA infrastructure.

EXPERIENCE

Airsiders Gmbh |Lead Software Engineer, API & Infrastructure

November 2022– Present | Berlin, DE

- Responsible for maintaining and managing core microservices (***Search,Routing,Booking***) for Volario and airport-compass product verticals.
- Led the development of event-driven flight-notification service, aggregating 3rd-party and in-house data to achieve 99.9% accuracy for live flight updates.
- Optimized map asset delivery pipelines for airport-compass, reducing rendering latency by 40% and improving app performance.
- Worked on integrating APIs with airlines/OTA vendors by abstracting a separate microservice layer to handle flight search, booking, and verification workflows
- Refactored and optimized serverless infra for max performance and minimal cost.
- Spearheaded technical design reviews and testing best practices and enforcing RFC process.
- Responsible for designing and rolling out a robust pipeline for infrastructure and module upgrades, ensuring seamless deployment and minimal downtime.
- Managed Terraform-based deployments and IPSEC VPC layer connectivity for multi-region infrastructure.

Clearglass Analytics | Software Engineer, API & Data Pipeline

April 2021– September 2022| (Remote)

- Optimized and maintained an internal data ingestion service for analytics, ensuring 99.9% uptime and enabling real-time processing.
- Developed and customized microservices for new product features, accelerating feature delivery by 20% and driving a 50% increase in user adoption through a streamlined, developer-led product discovery segment.
- Conducted stress testing on mission-critical microservices, identifying and resolving bottlenecks to reduce production outages by 60% over six months.
- Led initiative to eliminate technical debt, refactoring legacy code to improve system scalability by 3x and reduce API response times by 200ms.
- Championed core documentation practices, creating a centralized knowledge base that reduced onboarding time for new engineers.

Nomqa | Lead Software Engineer, API

April 2020 – August 2020 | (Remote)

- Designed and implemented high-performance API endpoints for a high-volume single-page application using Node.js and Golang, supporting 50k+ concurrent users with <200ms average latency.
- Architected multi-region high availability (HA) infrastructure for core services, achieving 99.99% uptime across AWS regions and reducing regional failover time to <30 seconds.
- Scaled microservices 5x using AWS EKS and Fargate, optimizing resource allocation and cutting operational costs by 20%.
- Integrated observability (Zipkin) into the API, improving error detection and accelerating root-cause analysis.
- Automated deployments and infrastructure management with Pulumi, slashing deployment cycles by half and ensuring zero-downtime releases.

Techversant Infotech | Software Engineer, Infrastructure

January 2019 - March 2020 | Kerala, IN

- Collaborated with cross-functional teams to design and implement system software enabling REST-API access for managing and monitoring ZFS/GlusterFS nodes (Python, Node.js), reducing manual intervention by 40% and improving cluster uptime to 99.5%.
- Led migration of a legacy monolith to an event-driven microservice architecture, leveraging Kafka to orchestrate sensitive ETL jobs (Go, Node.js), resulting in a 50% reduction in job processing latency and enhanced system scalability.
- Coordinated integration of distributed tracing (Jaeger/Zipkin) across services, enabling real-time performance analysis and reducing troubleshooting time by 30% for distributed systems.
- Mentored 5+ junior developers on best practices for microservices, distributed systems, and CI/CD pipelines, improving team productivity and code quality.
- Partnered with product owners to align technical execution with business objectives, ensuring seamless delivery of features that met 100% of functional requirements.

Cybmirror Innovations | Software Engineer, Infrastructure

May 2017 – December 2018 | Kerala, IN

- Collaborated with the development of system software to automate configuration and management of 500+ routers/switches (Cisco, Juniper), slashing manual intervention by 60% and reducing human-error outages by 45%.
- Designed and deployed a Python-driven monitoring tool that aggregated SNMP data from 1k+ devices, enabling real-time health insights and cutting device downtime by 30% through predictive failure alerts.
- Integrated Prometheus, Grafana, and ELK Stack into new projects, improving incident detection speed and analyze common network-related issues.
- Architected a fully automated CI/CD lifecycle using Jenkins and GitLab, streamlining code-to-production workflows and improving average deployment time.

Network Experts | Network Engineer (Intern)
June 2016 – March 2017 | Kerala, IN

- Installed, configured, and maintained Cisco, Huawei, Juniper, and Extreme switches/routers across 15+ sites, ensuring 99.9% uptime. Streamlined operations for telecom access networks, including OSS firewall solutions (pfSense/OPNsense), to enhance security and compliance.
- Designed and managed L2/L3 MPLS VPN networks for enterprise clients, optimizing traffic flow and reducing latency by 25%. Integrated open-source stacks (FRR, ExaBGP) to automate routing and improve BGP/OSPF/IS-IS protocol efficiency.
- Leveraged Hyper-V, KVM, VMware, and Proxmox to virtualize network functions, cutting hardware costs by 30%. Built hybrid environments combining physical hardware with software-defined networking (SDN) for scalable infrastructure.
- Diagnosed and resolved critical network outages (routing, switching, firewall) under SLA-driven timelines, achieving a 95% first-time fix rate. Reduced client downtime by 40% through proactive monitoring and rapid issue escalation.

SKILLS

Programming Languages
JavaScript (Node.js), Python, Golang, Rust, TypeScript, C

Cloud & DevOps
AWS, Azure, Docker, Kubernetes, Serverless, Terraform, Pulumi, OpenStack

Databases & Messaging
PostgreSQL, MySQL, DynamoDB, MongoDB | Kafka, NATS, RabbitMQ

Networking & Observability
MPLS, BGP, OSPF | Zipkin, Prometheus, Grafana

Tools
Git, Redis, Ansible, Hyper-V, VMware

EDUCATION

B.Tech Computer Science & Engineering *Apr 2017*
YCET

Web development Boot camp *Jan 2015*
Treehouse

AREA OF INTERESTS

Distributed Systems, Kernel Internals, Platform Engineering/NetOps