

ARJUN NAIK

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Staff software engineer with 10+ years of experience building and operating platform infrastructure at scale. Specialized in Kubernetes, Go, and cloud-native systems. Proven track record of leading cross-team technical initiatives, contributing to open source, and mentoring engineers.

EXPERIENCE

Staff Software Engineer, Delivery Hero

Aug 2022 – Present

- Led development of self-service deployment tooling used across the platform organization
- Designed and implemented an application configuration management platform
- Contributed upstream to AWS Controllers for Kubernetes for managing cloud resources via CRDs
- Integrated in-house authentication and authorization solution into the service mesh
- Mentored engineers and drove system design across multiple domains

Senior Software Engineer OpenShift, Red Hat

Jun 2021 – Jul 2022

- Built Kubernetes operators extending the OpenShift Container Platform via CRDs and controllers
- Delivered features for networking, authentication, and cluster upgrade workflows

Senior Software Engineer SRE, Red Hat

Jul 2020 – May 2021

- Developed and standardized operators for managing OpenShift Dedicated clusters
- Improved monitoring and alerting for OSD cluster features using Prometheus

Senior Software Engineer (AWS and Kubernetes), Zalando SE

Aug 2018 – Jun 2020

- Built fleet management tooling to operate and upgrade Kubernetes clusters serving hundreds of feature teams
- Built open source tooling for blue-green deployments, pre-scaling, and rollbacks
- Contributed autoscaling improvements to upstream Kubernetes (VPA and HPA)
- Designed CI/CD integration enabling teams to deploy with minimal configuration

Site Reliability Engineer, Cubits

Jan 2018 – May 2018

- Migrated production stack from bare metal to GKE, containerizing existing services

Software Engineer SRE, Zalando SE

Aug 2015 – Dec 2017

- Supported feature teams migrating from a monolith to cloud-native microservices
- Performed load testing and capacity planning to validate scaling requirements
- Built tooling to manage Elasticsearch and Cassandra clusters for the Recommendations team
- Defined and maintained SLOs for personalized recommendation services

Research Assistant, TU Dresden

Mar 2014 – Dec 2014

- Developed a C-to-x86 translator adding instruction-level redundancy for fault detection (SREX project)
- Benchmarked consensus systems (ZooKeeper, Consul) and contributed features to ZooKeeper client libraries

EARLIER EXPERIENCE

- Application Developer, DMFS (2013–2014)
- Web and Mobile Developer, Locus Labs (2011–2012)
- Web Developer, Netbramha Studios (2010–2011)

EDUCATION

MSc Distributed Systems Engineering

Oct 2012 – Mar 2015

Technische Universität Dresden

Thesis on scaling ZooKeeper through namespace partitioning to increase throughput. Coursework in security, cryptography, and software fault tolerance.

BEng Computer Science and Engineering

Jul 2006 – Apr 2010

BMS College of Engineering

SKILLS

- Languages: Go, Python, Java, C/C++
- Infrastructure: Kubernetes, AWS, GCP, Terraform, Helm
- Observability: Prometheus, monitoring and alerting design, SLO definition
- Practices: System design, cross-team technical leadership, mentoring, open source contribution
- Other: Linux internals (containers, networking, cgroups), CI/CD pipeline design, REST APIs