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Naveen Kumar

Software Development Engineer III

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Skilled IT professional with over 6 years of software engineering experience in Cloud Engineering, Network Management and Full stack Development.

SKILLS

Backend Frameworks	echo, gin (golang), Django, Flask, Node.js
Frontend / Mobile	React, Angular, Vue, SvelteKit, Flutter, Cordova
Languages	Python, Go, JS/TS, C/C++, Dart
Datastores	Postgres+postgis, TimescaleDB, MongoDB, Redis
Services	Celery, RabbitMQ
Other tools	Docker, Kubernetes, Helm, Terraform, NGINX, Kong

EXPERIENCE

ColorTokens Inc. - Xcloud & Xshield NextGen teams (Cyber Security)

Bengaluru, India

Member of Technical Staff - III (DevOps, SRE & Backend)

July 2022 — Current

- Developed Zero-Trust security analysis workflow on k8s clusters for CSPM on AKS, EKS, GKE platforms.
- Developed an agentless DHCP relay appliance to perform network micro-segmentation for inter-device communication.
- Breaking down monolith services (AWS EC2, AWS Lambda) into simpler microservices running on Azure AKS platform.
- Deploying and managing on-premise air-gapped kubernetes clusters on ESXi and AWS for multiple clients.
- Integrating secrets management with key-rotation support using hashicorp vault on k8s microservices.
- Building hardened docker images (approved by IronBank) for enhanced security.
- Developing and maintaining helm charts for microservices.
- Configuring API gateway and basic/JWT auth using kong as ingress resource.
- Setting up modular terraform to configure everything starting from DNS records on Cloudflare to fully manage Azure AKS clusters, and managing AWS, GKE and Azure cloud resources used by Xcloud.
- Setting up CI/CD pipelines for docker & helm chart builds on Azure DevOps.
- Experience using multiple AWS/Azure cloud services like EKS, S3, VPC, EC2, ELB, IAM, SES, CloudWatch etc.

Auquan Ltd. (Finance Sector)

Bengaluru, India (Part-time)

Sr. Full-Stack Engineer

May 2021 — July 2021

- Building data pipelines for financial news collection from several search engines
- Redesigned interface for complex graph visualizations between entities
- Maintaining and deploying data pipelines to AWS ECS

Viper Development UG [now FounderBlocks] (Multiple sectors)

Hamburg, Germany

Sr. Full-Stack Engineer

July 2018 — June 2022

SkyNet MCANISM (Ad-tracking platform)

- Improved API response times by 20 times on report generation pipelines
- Reduced database clutter with flat hypertables using time-partitioning on TimescaleDB
- Designed a reusable filtering architecture in django for report generation
- Managed container orchestration using kubernetes and deploying final applications on GCP
- Actively participated in data recovery, production release monitoring, rollback and debugging k8s microservices on GCP
- Worked on scripts for CI/CD pipelines, database snapshots, blob storage backups and access key rotation

Pandas ZF (Human Machine Interfaces)

- Developed a real-time IOT focused web application to collect telematics information from automobile suspension kits
- Extended the real-time data platform to provide historical ride quality information on selected roads

myndpaar.de (Mental Health / Counselling)

- Wire-framing and building a cross platform mobile application for couples counseling in association with myndwerk GmbH
- Engaging users to perform various activities using automated push notifications
- Added in-app payments support for monthly subscriptions

GitMate UG (Developer tools)*Full-Stack Engineer / Developer Tools***Hamburg, Germany (Part-time)***Dec 2016 — July 2018*

- Helped in building a multilingual code linter that supports multiple languages using a single config file
- Built a linting and codesmell detection pipeline from scratch to manage continuous integration for several customers
- Designed an open-source reusable plugin architecture to link the linting pipeline to several cloud based Git-hosting services
- Worked on a duplicate issue detection plugin to identify closely matching issues on GitHub projects

Wipro Business Solutions (Internship)*Software Engineering Intern***Bengaluru, India***May 2017 — June 2017*

- Designed a native Android application to manage ONVIF compliant cameras
- Added Android Auto support to connect with rear parking cameras in automobiles

EDUCATION

MS, CS - *University of Illinois at Chicago*

2019 — 2021

B.Tech, CSE - *National Institute of Technology, Durgapur*

2014 — 2018

AWARDS & ACTIVITIES

[Mozilla Open Source Support Awardee \[Report\]](#)

2018

[Mentor, Google Summer of Code](#)

2018

[Mentor, Google Code-In](#)

2018

[Mentor, Google Code-In](#)

2017

[Student, Google Summer of Code \[Report\]](#)

2017

[Mentor, IIT Kharagpur Winter of Code](#)

2017

Open Source Workshops at NIT Durgapur: Admin & Mentor

2016 — 2017