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Bengaluru, Karnataka
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Naveen Kumar

Software Development Engineer III

GitHub: nkprince007
LinkedIn: naveenkumarsangi
Website: naveenkumarsangi.me

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 (Hybrid)**
Member of Technical Staff - III *July 2022 — Current*

- Developed Zero-Trust security scan workflow k8s clusters for Cloud Security Posture Management on AKS, EKS, GKE services
- Developed an agentless DHCP relay appliance to perform network micro-segmentation for inter-device communication
- Breaking down monolith servers (AWS EC2) into simpler microservices (Azure k8s platform)
- Actively involved in migrating away from AWS Lambda to pure golang microservices.
- Integrating secrets management with key-rotation support using hashicorp vault on k8s microservices
- Developed docker images for microservices running in AWS EC2 instances
- Building hardened docker images (approved by IronBank) for enhanced security
- Creating a unified helm chart for fast microservice deployments and testing
- 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 platform, and managing AWS, GKE and Azure cloud resources used by Xcloud
- Building 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 kubernetes

Viper Development UG [now FounderBlocks] (Multiple sectors) **Hamburg, Germany (Remote)**
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

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GitMate UG (Developer tools)

Full-Stack Engineer / Developer Tools

Hamburg, Germany (Part-time, Remote)

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

Master of Science in Computer Science, University of Illinois at Chicago

2019 — 2021

Bachelor of Science in Computer Science, 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