Naveen Kumar
Software Development Engineer III

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GitHub: nkprince007
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Skilled IT professional with 6 years of software engineering experience as a Full Stack Engineer and Mobile App Developer.

Skills

Backend Frameworks	**echo(golang)**, **Django**, **Flask**, Node.js
Frontend / Mobile	**React, Angular, Vue**, SvelteKit, **Flutter, Cordova**
Languages	**Python**, **Go**, JS/TS, C/C++, Dart
Databases	Postgres+postgis, TimescaleDB, MongoDB
Other tools	docker, kubernetes, helm, redis, celery, rabbitmq

Experience

ColorTokens Inc. - Xcloud & NextGen teams (Cyber Security)   Bengaluru, India (Hybrid)
Member of Technical Staff III   *July 2022 — Current*

- Adding support to scan kubernetes clusters for Cloud Security Posture Management on AKS, EKS, GKE services
- Developed an agentless appliance to manage inter-device communication on a network
- Migrating monolith deployments from AWS EC2 VMs to Azure AKS microservices
- Developing docker images for monolith services 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
- Actively involved in migrating AWS lambda serverless frameworks to AKS microservice.
- Integrating secrets management along with rotation support using vault for k8s microservices
- Configuring API gateway and basic/JWT auth using kong as ingress resource
- Setting up terraform to configure DNS records on cloudflare to resolve IPs for kubernetes cluster load balancers
- Setting up CI/CD pipelines for microservice builds on Azure DevOps Pipelines and AWS Codebuild
- Experience using multiple AWS/Azure cloud services like EKS, S3, VPC, EC2, ELB, IAM, SES, etc.

Auquan Ltd. (Finance Sector)   Bengaluru, India (Part-time)
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] (Varying 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)   **Hamburg, Germany (Part-time, Remote)**
Full-Stack Engineer / Developer Tools   *Dec 2016 — July 2018*

- Helped in building a universal code linter that supports multiple languages using a single config file
- Built a linting 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)   **Bengaluru, India**
Software Engineering Intern   *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   2018
Mentor, Google Summer of Code   2018
Mentor, Google Code-In   2018, 2017
Student, Google Summer of Code   2017
Open Source Workshops at NIT Durgapur: Admin & Mentor   2016 — 2017