DATTARAJ C VERNEKAR

Senior Software Engineer | Java, Microservices, Cloud

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SKILLS:

Java, Python, Spring Boot, Hibernate, GraphQL, REST, Microservices.

AWS, Kubernetes, CI/CD, Git, Nginx, GlusterFS.

Kafka, Redis, Oracle, Spark.

Dremio, Tableau.

IoT, Raspberry Pi.

EDUCATION:

BTech, 2017, 8.62 CGPA:
Computer Science And Engineering
National Institute Of Technology
Karnataka Surathkal **(NITK)**

Pre-University, 2013, 94.5%:
GSS PU College Belgaum

Matriculation, 2011, 10 CGPA:
Kendriya Vidyalaya CBSE, Karwar

PATENTS & PROJECTS:

Provisional Patent (IDF-2021-0250-IN01), JPMorgan Chase &Co. High-performance Parallel Computing for financial/ engineering simulations of trades on cloud.

Best Paper award, **NOS Conf 2016.** Developing **cost effective SDN testbed using Raspberry pi cluster**, https://nosconf.github.io/#nine

TCP evaluation suite for Ns-3
Design and implementation of TCP evaluation suite in ns-3 DCE.

EXTRA CURRICULAR:

Certified Scuba Open Water diver.
Placement Coordinator, NITK
(organised 50+ company hiring drives)

PROFESSIONAL SUMMARY:

Strategic Senior Software Engineer with **8+ years** of experience in application development, testing, and optimization. Proven expertise in **Java**, **microservices** and **cloud** migrations (**AWS**). Known as the **go-to expert** during high-pressure, **firefighting situations**—quickly diagnosing issues, delivering **effective solutions**, and moving on to the next challenge.

EXPERIENCE:

JP Morgan Services India Pvt. Ltd.

SOFTWARE ENGINEER III, January 2022 - Present

- Implemented **multi-profile** user flow, **DND notifications**, and a **fluidic experience layer** using **java** & **GraphQL**.
- **Led end-to-end migration of 15+ applications** to AWS HCD environment, redesigning of API ingress routing via **gRPC** proxy & **Nginx** enhancing API security.
- Mentored junior engineers via **code reviews and technical guidance**, while **actively collaborating with QA, DevOps,** and cross-functional teams to deliver solutions and support broader initiatives.
- Led **JPMorgan Chase Reuse initiative** by promoting Dremio as a virtualization tool for data lakes, enabling cross-region integration across teams in USA, UK & India.

SOFTWARE ENGINEER II, January 2020 - January 2022

- Delivered **RBI-Compliant** features– **maker-checker** validations and **data encryption–**for Integrated Credit Risk Dashboard, under tight deadlines, ensuring **full compliance and timely rollout**.
- Lead **migration** of IFM from single occupancy to shared tenancy architecture, resulting in **average annual saving of $ 900,000**. Initiated AWS migration roadmap.

SOFTWARE ENGINEER I, July 2017 - January 2020

- Developed backend microservices (**Spring Boot, Kafka, Gemfire, Spark**) or IFM middleware; automated data visualisation via **Tableau**,
- Built backend for **GDPR** compliance web application on Spring Boot, Jersey REST, and MySQL tech-stack for **JPMC's EU rollout**; delivered under strict deadlines ahead of **May 2018 regulatory go-live**.

SUMMER INTERN, May 2016 - July 2016

- Built a Selenium-based tool to automate data entry into AnswerKey, reducing **manual effort from 1 week to 45 minutes.**