

# 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**.