

# ADITYA BICHAVE

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## BRIEF SUMMARY

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Results-driven Software Engineer with **4+ years of experience** designing **scalable microservices, data platforms**, and customer-centric web applications. Proficient in **Java, Python, Golang, Spring Boot, Kafka, RESTful & GraphQL APIs, SQL/NoSQL, Docker, Kubernetes, AWS**, and **GCP**. Adept at collaborating across teams and transforming data into actionable insights to deliver business value

## EDUCATION

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**Bachelor of Computer Science**, Pune University — 2017 – 2021

Course: Computer Science — CGPA: 9.1/10

Relevant Courses: Algorithms, Data Structures, Object-Oriented software development process, Java, Python, Operating Systems, Database Management Systems, Distributed Systems, Network Security, Big data

## SKILLS

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- **Languages:** Java, Python, Golang, SQL, Node.js
- **Frameworks:** Spring Boot, Spring MVC, Spring Cloud, Django, Express.js, GraphQL
- **Cloud & Platforms:** Google Cloud Platform, Amazon Web Services, Docker, Kubernetes, Serverless
- **Data Technologies:** PostgreSQL, MySQL, MongoDB, Cassandra, Redis, Kafka
- **Tools & Practices:** Git, JUnit, Mockito, Postman, CI/CD (Jenkins, GitHub Actions), RESTful APIs, OAuth

## EXPERIENCE

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**SDE II, EPAM** — Jul 2024 – Present

*Bangalore, Karnataka*

- Built customer analytics microservices on GCP using Spring Boot and Kafka to process millions of events daily.
- Developed secure RESTful and GraphQL APIs in Java and Node.js, improving data accessibility for stakeholders by 30%.

**Senior Software Engineer, Uber** — Jul 2021 – Jul 2024

*Bangalore, Karnataka*

- Cut service latency **60%** by migrating critical microservices from TChannel to YARPC and deploying on **GCP Kubernetes** clusters.
- Boosted throughput 4× by redesigning **REST/gRPC APIs** and optimizing **Kafka** messaging layers.
- Separated transport and business logic with **Spring Boot** microservices, reducing integration effort **40%** and enabling **CI/CD** pipelines.
- Published migration playbooks adopted by **15+** Java microservices across global teams.

**Software Engineer 2, Sandvine** — Oct 2021 – Jun 2024

*Bangalore, Karnataka*

- **IBCM:** Built an event-driven Intent-Based Congestion Management platform with Java microservices and **Kafka**, reducing network congestion by **15%** and improving **Quality of Experience**.
- **Perf:** Optimized Java services and SQL queries for **60%** scalability gains through profiling and code refactoring.
- **OCE:** Designed real-time link bandwidth estimation using **Spring Boot** and **Kafka Streams**, **increasing revenue** by **\$250K quarterly per license**. Led this project and received a **performance champion award**.
- **Database:** Implemented asynchronous database writer with **Vertica** and **Redis** caching, delivering **30%** faster data pipelines and leveraging **Big Data** concepts.
- **Load Balancing:** Built **Kubernetes**-based load-balancing system scaling processing capacity **25%** with multi-cluster, high-availability deployment.
- **Infra:** Led microservice **migration** and memory optimization, achieving **4X** performance improvement while mentoring the team.

- **Features:** Delivered features such as real-time operational capacity estimation, async database writer service, high availability, geo redundancy, multi-cluster support, and licensing by subscriber count using **REST APIs**, **Aerospike**, and microservice patterns.
- **Customers:** Collaborated with cross-functional and customer-facing teams to design and deploy **POCs** that enhanced product adoption.

**Software Development Engineer Test, Pubmatic** — Jun 2021 – Oct 2021

*Pune, Maharashtra*

- Automated ad-revenue monetization testing pipeline with Python and CI/CD, strengthening debugging and troubleshooting capabilities.
- Adapted quickly to new AdTech technologies and agile methodologies in a fast-paced environment.

## PROJECTS

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- **Grid Compression Using autoencoders.** A solution to store mechanical project data of 5-6 TB by compressing
- **Space Detection In Floor Plan DL.** A solution to help government bodies identify and rectify issues
- **Eyantra Homecoming Project Hackathon.** Computer vision project that qualified for the IIT Bombay competition

## ACHIEVEMENTS

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- **Published Patent** App for providing corona vaccine in efficient way
- **Won Hackathon** Won annual hackathon in Sandvine for automating setup of the MAE environment based on configuration
- **Eyantra Finalist, IIT Bombay.** Qualified for finals in the deep learning competition organized by IIT Bombay