

# ADITYA BICHAVE

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## BRIEF SUMMARY

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I am a skilled Software Engineer with **4+ years experience** in building large-scale, scalable, **distributed systems**. Proficient in **Python, Java, Golang, Big-Data, Django, Spring Boot, SQL, Docker, AWS**. Effective communicator, able to work independently or collaboratively with stakeholders. Seeking opportunities to leverage experience for positive organizational impact

## 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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- **Platforms:** Docker, Google Cloud Platform, Amazon Web Services
- **Data:** Amazon RDS, NoSQL Databases, PostgreSQL, MySQL, Redis, MongoDB, Aerospike, Amazon DynamoDB
- **Computer Languages:** Python, SQL, Java 8, Java
- **Frameworks:** Spring Data, Hibernate, Spring Core, JUnit, Spring Security, PyTorch, Mockito, Django, Spring Boot, JUnit 5, Spring MVC
- **Web/Application Servers:** Web Services
- **Solutions:** Postman, Amazon S3, AWS CloudFormation, Amazon Elastic File System, Amazon EC2
- **Standards:** API & Integration Standards, REST API

## EXPERIENCE

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**SDE II, EPAM** — Jul 2024 – Present

*Bangalore, Karnataka*

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

*Bangalore, Karnataka*

- Reduced latency 60% by migrating critical microservices from TChannel to YARPC.
- Increased throughput 4× by refactoring service interfaces for HTTP/gRPC transports.
- Decoupled transport and business logic via Spring Boot, cutting integration time 40%.
- Authored migration patterns adopted by 15+ Java microservices.

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

*Bangalore, Karnataka*

- **IBCM:** Developed an innovative in-house distributed systems Intent-Based Congestion Management (IBCM), optimizing performance and enhancing **Quality of Experience (QoE)** which helped **reduce network congestion** by **15%**.
- **Perf:** Optimized existing codebase for **60% performance** scalability, leveraging strong analytical skills.
- **OCE:** Designed high-level and low-level architecture for **real-time** link bandwidth estimation, **increasing revenue** by **\$250K quarterly per license**. Led this project and received a **performance champion award**.
- **Database:** Took ownership of database optimization, designing and implementing a Database Async Writer feature for **30% performance improvement** in IBCM and OCE. Used **SQL** (Vertica) for storage and **Redis** for caching to accelerate data access, leveraging **Big Data** concepts for optimized storage, ingestion, and processing.
- **Load Balancing:** Developed a distributed system to **scale** the product's processing capability by **25%**. Designed and implemented **cloud deployment** with a multi-cluster, multi-node **high availability** setup.
- **Infra:** Led codebase **migration** for a major system, achieving **4X performance** improvement and efficient memory usage by **mentoring and guiding** the team.

- **Features:** Led development of key features including Real-time Operational capacity estimation, Async Database Writer Service, High Availability, Geo Redundancy, Multi-Cluster Support, and Licensing by Subscriber Count, among others by Leveraging Rest API, Aerospike, and Microservice concepts.
- **Customers:** Supported customer-facing and cross-functional teams in deploying, designing and implementing POC to enhance the product experience.

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

*Pune, Maharashtra*

- Automated Ad revenue monetization testing pipeline, Enhanced debugging skills through troubleshooting
- Adapted quickly to new technologies and methodologies in the fast-paced AdTech sector

## 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