

# ADITYA BICHAVE

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## BRIEF SUMMARY

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

**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

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

## EXPERIENCE

**SDE II**, EPAM

Jul 2024 – Present

**Senior Software Engineer**, Uber

Oct 2024 – Jul 2025

*Bangalore, Karnataka*

- Executed end-to-end migration of critical microservices from legacy TChannel transport to the scalable YARPC framework.
- Refactored service interfaces in Java 8+, enabling YARPC HTTP/gRPC transports with Thrift/Protobuf encoding while preserving API contracts.
- Integrated YARPC services with Spring Boot to separate transport and business logic through modular layers.
- Authored migration patterns and templates to accelerate adoption across Java microservices.

**Software Engineer 2**, Sandvine

Oct 2021 - June 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 Database Async Writer feature for **30% performance improvement** in IBCM and OCE. used **SQL** (vertica) for storage and **Redis** for Caching for faster data access. Used **Big Data** concepts for more optimized Data Storage, Data ingestion and Data Processing.
- **Load Balancing**: Developed a distributed system for load balancing to **scale and increase** the product's processing capability by **25%**. Designed and Implemented support for **Cloud Deployment** with multi-cluster multi-node **High availability** setup
- **Infra**: Led codebase **migration** for major system, achieving **4X performance** improvement. Spearheaded this initiative by **Mentoring and guiding** achieving efficient memory usage and scaled performance
- **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  
*Pune, Maharashtra*

Jun 2021 - Oct 2021

- 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 solutions to store the mechanical projects of 5-6 TB by compressing

**Space Detection In Floor Plan DL.** A solutions to help the government body to rectify and find issues.

**Eyantra Homecoming Project Hackathon.** DL computer vision project which led to qualification for the competition organized by IIT-Bombay.

## ACHIEVEMENTS

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**Published Patent** App for providing corona vaccine in efficient way

**Won Hackathon** Won annual hackathon in Sandvine for automating Setting up the MAE environment based on configuration.

**Eyantra Finalist, IIT bombay.** Awarded for qualifying for finals for deep learning competition organized by IIT Bombay.