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

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

EXPERIENCE

Software Engineer 2, EPAM (Client: Uber) Jul 2024 - Present
Bangalore, Karnataka

- Led the YARPC migration for Uber, ensuring end-to-end migration of multiple critical microservices from legacy TChannel transport to the modern, scalable YARPC framework.
- Refactored service interfaces and handlers using Java 8+, enabling support for YARPC HTTP/gRPC transports and Thrift/Protobuf encoding while maintaining API contract integrity.
- Integrated YARPC-based services with Spring Boot, ensuring clean separation of transport and business logic via modular service layers.
- Documented migration patterns, reusable templates, and best practices for broader team 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 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

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

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.