Chandrashekhar Tulshiram Adhage

Software Development Engineer with 10+ Years of Experience

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Experience

Nomura · **Mumbai, India**
Lead Software Developer · *Feb '25 - Present*

- Architected the in-house search infrastructure utilizing Amazon **Elasticsearch** on **AWS**, resulting in a **60%** reduction in average latency, **3 times** improvement in search throughput, and support for over **5 million** concurrent search requests per day **under high load**
- Engineered a **data importer** service to pull records from the database, decrypt sensitive fields, and cache results in a **custom cache** to bring down latency **by 50%** and response time to **100ms** with a capability of **10M** requests per day under sustained production load
- Built **Grafana** dashboard for **Importers**, making early error detection possible, reduced time by **30%** and uptime by **15%** across services

Barclays · **Pune, India**
Lead Developer · *Oct '22 - Feb '25*

- Coordinated development of high-performance **RESTful APIs** for critical applications, such as credit line increases and additional users, supporting more than **1.5M** agents globally with improved MCA Application efficiency and dependability at enterprise scale
- Monitored more than **17** vital services as they were moved from **OpenShift** to **AWS**, using AWS EC2, S3, and RDS for **35%** better availability and scalability, **25%** lesser infrastructure charges, and for ensuring the adoption of cloud infrastructure at enterprise scale
- Designed **SSO** and **OAuth** for over **1.5M** agents, resulting in a **40%** decrease in login problems and **30%** increase in authentication speed

Standard Chartered Bank · **Bangalore, India**
Lead Technology · *Jul '21 - Oct '22*

- Led **frontend** development **React** and architecting "iformclient" to improve **load speed by 35%** and enhance the user interface
- Developed **microservices** employing the **NewGen** tool to identify and display the **top 10 profitable customers**, enabling agents to focus on high-value clients and improving **processing efficiency** by 20 times for over **50K** transactions per day across multiple regions

3FramesLab · **Bangalore, India**
Software Engineer · *Feb '21 - Jun '21*

- Architected a robust **gRPC-based** adapter layer linking Kotlin/Java with **Python** services in **Android Studio**, improving inter operability across **6** modules by **45%** and making real-time data flow faster, more reliable, and made application easier to maintain
- **Built** an automated WhatsApp reply solution using **Gupshup** API and SpringBoot to send responses with **99% accuracy** at scale

Advanced Risk Analytics Private Limited · **Pune, India**
Software Engineer · *Jul '18 – Sep '20*

- **Implemented** and released an Android App developed with **Java 8**, **SQL**, and Android Studio, serving more than 2000 active users
- **Automated** an enterprise email response system built on **Java** and **Spring Boot**, improving collaboration for **2000** users

Indian Institute of Technology, Bombay · **Mumbai, India**
Teaching Assistant · *Aug '16 - Jul '18*

- Created and launched a **website** for the Cryosphere Lab, achieving a **60%** increase in online visibility for over **20K** active users
- Conducted **supervised** classification of Bhakra Forest on ALOS-2 datasets at **92%** accuracy processing over **10**GB of satellite data

Skills

- **Languages:** Java (8/17), C/C++, Python, HTML, CSS, JavaScript, SQL, Oracle DB, Shell Script, Groovy, TypeScript
- **Frameworks:** Spring Boot, Spring Security, JPA, Mockito, JUnit, TestNG, SonarQube, React.js, Hibernates, Spring MVC
- **Microservices and Tools:** RESTful APIs, gRPC, Kafka, Redis, Elasticsearch, Grafana, Prometheus, Jira, Nexus, Git
- **DevOps and Cloud:** Jenkins, Docker, Kubernetes, CI/CD, Maven, Git, AWS, Terraform, GitLab, OpenShift, Ansible

Education

Indian Institute of Technology, Bombay · **Mumbai, India**
Master of Technology (M-Tech) · *Jul '16 – Aug '18*

Dr. Babasaheb Ambedkar Technological University, Lonere · **Raigad, India**
Bachelor of Technology (B-Tech) · *Jul '11 – Aug '15*

Achievements

- Achieved top rankings across competitive platforms : **HackerRank (1%)**, **HackerEarth (2%)**, **LeetCode (5%)** and **TechGig**(Expert)
- **Finalist** and Semifinalist in **Code Gladiator** 2019 and 2024 respectively, which had over **50000** participants showcasing DS/Algo skills
- Semifinalist in **Google Code Jam**, demonstrating skills in coding, data consistent problem-solving excellence among **62000** participants
- Secured a **96.7** percentile in GATE 2016 among **108495** students, demonstrating exceptional academics performance and analytical skills
- Participated in Growthgenie, TomTom Hack, Mylan Hack, **Honeywell** CODE2HON, HERE-a-thons, **Axis AI** and HDFC Hackthon