

KRISHNA CHIKHALE

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PROFESSIONAL SUMMARY

Over 3 years of professional experience in software engineering, with expertise in building scalable solutions and optimizing performance for high-impact projects.

TECHNICAL SKILLS

Programming Languages: Java, Python, Kotlin | **Frameworks:** Spring Boot, Android SDK, ReactJS | **Tools:** Docker, Firebase, Linux | **Databases:** Postgres DB, MongoDB | **Platforms:** AWS (Lambda, S3, API Gateway, CloudFront, EC2) | **Others:** Android Application Development, Microservices, Git, Data Structures & Algorithms, Kafka

PROFESSIONAL EXPERIENCE (3+ Years)

Specialist Programmer

May 2022 - Jan 2025

Infosys Private Limited

Hybrid

- Engineered a high-performance Java NIO and POSIX shared memory solution for terabyte-scale DDN data I/O, increasing throughput by 40%.
- Designed and implemented a real-time monitoring dashboard for critical metrics (InfiniBand, GPU, memory, containers, nodes), improving operational visibility and reducing troubleshooting time by 87%.
- Built test infrastructure for many-to-many Linux data transfer mappings, expanding testing scenarios.
- Automated NFS/RDMA (RoCE) & RDMA I/O tests using Jython-integrated software, replacing manual multi-device validation and reducing testing time by 90%.
- Built a cron-driven rsync-based data transfer pipeline across distributed machines with fault tolerance, retries, centralised logging, and mutual exclusion; enabled host-level pause/resume and reduced manual monitoring to zero.
- Developed a Python client for a servlet-based Image Server web service, enabling non-browser access.
- Dockerized two web services — Image Server and Data Management System (DMS) — in a distributed environment

Software Engineer Intern

June 2020 - June 2021

Myelin Foundry Private Limited

Remote

- Enhanced media player app and optimised cloud operations, resulting in a 40% reduction in cloud costs.
- Developed RESTful APIs with Express.js and implemented an interactive analytics dashboard using React.js.
- Resolved critical client integration issues for 5M+ active users, ensuring uninterrupted app functionality.
- Transferred the splitting logic of the U and V planes to the OpenGL side, reducing processing cost.
- Integrated render script flow into existing infrastructure, increasing compatibility with lower-end Snapdragon devices, and expanding device coverage by 28%.

PROJECTS

[Car rental](#) Java, Spring Boot, Microservices, Docker Compose, Bash Scripts, Service Discovery (Eureka), React.js, MySQL, API Gateway, Bootstrap, Redis (Distributed Locking), Spring Security (Auth)

- Developed a microservices-based Car Rental application with user and admin modules, enabling secure car bookings, payments, and city-wise availability.
- Implemented Redis-based distributed locking to ensure race-condition free bookings and deployed the system using Docker and Docker Compose for scalable setup.

EDUCATION

Lovely Professional University | B.Tech in Computer Science | Jalandhar | 7.9 CGPA

2017 - 2021

Shri chaitanya kalashala | 12th | Hyderabad | 97 %

2015 - 2017

ACHIEVEMENTS

- Insta Award (Twice), Infosys: Recognised for independently developing a diagnostics module, directly engaging with clients, and resolving complex tasks.
- Myeliner of the Month, Myelin Foundry