

Yatharth Bajaj

Software Engineer

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PROFESSIONAL SUMMARY

2+ years of experience in scalable backend systems, cloud infrastructure, and microservices development. Proficient in Go, Java, and Node.js with expertise in REST/GraphQL APIs and CI/CD pipelines.

TECHNICAL SKILLS

Programming Languages: Go, Java, C++, Node.js, HTML, CSS, JavaScript | **Frameworks:** Spring Boot, Express.js, React.js, GraphQL | **Frontend:** React.js, HTML, CSS, JavaScript | **Backend:** Go, Java, Node.js, Spring Boot, Express.js | **Tools:** Docker, Jenkins, RabbitMQ, Kafka, Nginx, Redis, PM2, AWS (EC2, S3, Beanstalk), DigitalOcean, Cloudinary | **Databases:** PostgreSQL, MongoDB, MySQL, Oracle | **Platforms:** AWS, DigitalOcean | **Methodologies:** CI/CD, Microservices Architecture, Event-driven Systems | **Others:** Scalable Backend Services, Cloud Infrastructure, Core Expertise in REST & GraphQL APIs

PROFESSIONAL EXPERIENCE (2+ Years)

Software Engineer | Jun 2023 - Present

Samsung Electronics | Noida

- Led backend feature development for Samsung Health using Java, Docker, and Jenkins, reducing latency by 45%.
- Automated updates for medicinal datasets via Parquet and AWS S3, enhancing data reliability and storage scalability.
- Built production-grade RESTful and GraphQL APIs, reducing client-side overfetching and accelerating development cycles by 30%.
- Championed performance tuning, observability, and fault-tolerant service patterns, improving system uptime by 40%.

Founding Backend Engineer | Dec 2022 - Jun 2023

Reliance Infrastructure | Delhi

- Designed a microservices-based architecture in Go for the Rakshak app using Gorilla Mux, integrated with Oracle DB and RabbitMQ for real-time hazard incident reporting.
- Developed an internal frontend system with React, Redux, and Material UI, improving usability for 2000+ employees.

Software Engineering Intern | May 2022 - Jun 2022

Ola Electric | Delhi

- Supported architecture transition from firmware 1.0.8 to Move OS 2.0, collaborating with hardware and backend teams, improving system compatibility by 40%.
- Enhanced communication between electric scooters and remote APIs by optimizing protocols.

PROJECTS

Watermark-as-a-Service | Jan 2023 - Apr 2023

- Developed a scalable watermarking platform for image processing, supporting REST and gRPC APIs.
- Integrated AWS S3 and Cloudinary for efficient media storage and retrieval.

Expense Tracker Platform | May 2022 - Aug 2022

- Built a real-time expense tracking platform with WebSocket-based live updates.
- Implemented RabbitMQ for asynchronous task processing, improving system throughput by 45%.

Let Us Share | Sep 2021 - Dec 2021

- Created a social media platform with features like JWT-based authentication, GraphQL APIs, and media uploads.
- Optimized tag search functionality, improving search response time by 20%.

EDUCATION

Master of Science in Computer Science | June 2025

University of Arizona | Tucson, AZ, USA

Bachelor of Technology in Computer Science | June 2023

Delhi Technological University (DTU) | Delhi, India

ACHIEVEMENTS

- Global Rank 1288 / 75,000+ - SnackDown Qualifier, CodeChef
- 99.13 Percentile - JEE Mains (2019)
- Qualified JEE Advanced among 2,00,000+ candidates
- Global Rank 204 - INFINITY 2K21 (IIIT Pune)