

GURU PRASAATH

Backend Engineer — Java

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SUMMARY

Backend Engineer and NIT graduate with 1.5+ years of professional experience building scalable, high-performance backend systems. Skilled in Java, Spring ecosystem (Boot, Security, AI), microservices, and event-driven architecture. Strong background in system optimization, AI integration, and clean architecture. Adept at solving complex problems through efficient LLD, DSA, and OOP practices.

EDUCATION

National Institute of Technology, Puducherry

B.Tech in Electronics and Communication Engineering

2019 – 2023

CGPA: 8.27

PROFESSIONAL EXPERIENCE

Programmer

Nytwolf Games

Aug. 2023 – Mar. 2025

Coimbatore, India

- Designed and implemented a modular **C++ interaction system** using clean architecture and LLD, enabling reusable workflows across **10+ gameplay scenarios**.
- Refactored and optimized **5,000+ lines** of legacy code, achieving a **25% faster execution** and **30% fewer crashes** in production builds.
- Partnered with cross-functional teams to deliver optimization strategies, improving **system stability and development velocity**.

TECHNICAL SKILLS

- Programming Languages:** Java, C++, C, JavaScript
- Backend Frameworks:** Spring Boot, Spring Security, Spring AI, Spring Data JPA, Microservices
- Databases:** PostgreSQL, MySQL
- Tools & Technologies:** Docker, AWS, Git, JUnit, Postman, REST APIs, JWT, OAuth 2.0
- Core Concepts:** Low Level Design (LLD), Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Event-Driven Architecture

PROJECTS

Authentication & Authorization System

July 2025

Java, Spring Security, Spring Data JPA, PostgreSQL, JWT, Java Mail Sender

- Developed a production-grade authentication system with APIs for register, login, logout, OTP verification, and password recovery.
- Enhanced security by implementing refresh token rotation and leveraging Spring Security's built-in protection against common vulnerabilities (CSRF, XSS).
- GitHub Repository:** github.com/Guruprasaath-ar/Authentication

MailForgeAI – AI-Powered Email Assistant

Aug 2025

Java, Spring Boot, Spring AI, JavaScript, Ollama GPT-OSS

- Built an AI-driven email assistant with Spring Boot, Spring AI, and Ollama GPT-OSS, featuring a JavaScript frontend for context-aware, tone-personalized replies integrated into Gmail.
- Improved email drafting efficiency by 30% via on-device AI, delivering productivity gains in real-world workflows.
- GitHub:** github.com/Guruprasaath-ar/EmailAssistant

CODING ACHIEVEMENTS

- LeetCode:** leetcode.com/u/GuruPrasaath/ — Solved **300+** problems across multiple difficulty levels.
- CodeStudio:** naukri.com/code360/profile/IsagiYoichi — Attained **1800+** rating in competitive programming contests.