

SABARIVEL G

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EXPERIENCE

Software Development Engineer Intern (Backend - Java) | Avantor | Sep 2025 - Feb 2026

- Engineered migration of legacy Spring-based modules to **Spring Boot**, designing and developing secure and scalable REST APIs secured with **Spring Security** and **JWT-based authentication**, improving maintainability and enabling stateless access control
- Reduced average API latency by 30% by configuring **HikariCP connection pooling**, implementing caching with **@Cacheable**, optimizing database queries, and designing paginated APIs to efficiently handle large datasets
- Improved system reliability and data consistency by implementing Spring's declarative transaction management **@Transactional**, centralized exception handling using **@ControllerAdvice**, and concurrent processing with Java multithreading for high-throughput operations
- Designed and integrated a real-time notification engine using **RabbitMQ**, documented APIs with Swagger, containerized services using Docker, automated CI/CD with Jenkins, deployed on AWS, and implemented unit tests to ensure production-grade stability

TECHNICAL SKILLS

Programming Languages: Java, C++

Backend: Spring Boot, Spring MVC, RESTful APIs, JPA/Hibernate, Microservices

Databases: SQL, MySQL, PostgreSQL, MongoDB

Messaging: RabbitMQ

Frontend: Angular (Working Knowledge)

DevOps and Cloud: Docker, Jenkins (CI/CD), AWS

Tools: Git, Postman, JBoss

PROJECTS

OfficeWing - Multi-Tenant Team Collaboration Software [Project Link]

- Designed and developed OfficeWing, a scalable multi-tenant **SaaS** collaboration software built on a **three-tier architecture (Angular, Spring Boot, PostgreSQL)** with domain-level IAM-based access control secured using Spring Security and **JWT**, optimized REST APIs with connection pooling, real-time team messaging with **AWS S3-backed media storage**, and cloud-native deployment on AWS via **automated CI/CD** pipelines ensuring production-grade scalability and reliability

MCAPortal [Project Link]

- Developed the backend of a full-stack MCA Portal web application to centralize workflows such as document upload, OD applications, payments, and internal communication. Optimized **MySQL** queries for high-performance **APIs**, implemented secure OTP verification and session locking for user protection and integrated Razorpay and PHPMailer for seamless payments and email services using **SMTP, PHP, and JavaScript**

ACTIVITIES

Coding

- Solved **300+ problems** in **LeetCode** under the handle **sabarivel0928**
- Secured **1st place** in **Code Tangle** at Tech-Fest 2025 for solving time-constrained **DSA** challenges

CERTIFICATIONS

- HackerRank Skill Certification (SQL) • Software Testing - NPTEL • Data Science - IBM

EDUCATION

Master of Computer Applications

PSG College of Arts and Science
Coimbatore, Tamil Nadu

Graduation: 2026

8.7 GPA

Bachelor of Computer Applications

PSG College of Arts and Science
Coimbatore, Tamil Nadu

Graduated: 2024

8.5 GPA