

# Eeshan Paul

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## Summary

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Backend Engineer with experience in designing scalable microservices, automating workflows, optimizing SQL functions, and delivering production-ready features across cloud environments. Strong in Java, Spring Boot, REST API development, and performance-driven backend solutions. 590+ LeetCode problems solved spanning algorithms, data structures, complexity analysis, recursion, dynamic programming, greedy techniques, and optimization.

## Work Experience

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### Accenture

Oct 2023 – Present

Advanced Application Analyst

Kolkata, West Bengal

- Designed and developed scalable backend **microservices** using **Java, Spring Boot, and Hibernate**, improving modularity and maintainability by **50%**.
- Automated CRM workflows by integrating **Jira, Smartsheet, and Apptio** through **REST APIs**, reducing manual work by **95%**.
- Enhanced backend performance by applying Java **concurrency principles (thread pools, async execution)** and **Spring Boot asynchronous processing (Async, CompletableFuture)** to enable parallel execution of high-volume workflows.
- Built dynamic UI templates using **Thymeleaf** and automated email dispatch via **SendGrid**.
- Developed data-driven testing scripts enabling 100% automation of test case execution.
- Resolved high-priority defects under strict SLAs and led deployments across CUAT and higher environments.
- Developed and optimized complex **SQL functions and stored procedures** for high-volume transactions.
- Implemented secure **REST APIs** integrated with **Azure** using token-based authentication.
- Collaborated with cross-functional teams across diverse tech stacks.
- **Awards:** Star of the Month (June 2025), Team Achievement Award (Aug 2025).
- Delivered production-ready features using **VibeCoding** and **GitHub Copilot**, reducing development effort by **30%**.

### Brevids

June 2022 – August 2022

Software Engineering Internship

Remote

- Developed a video summarization API using the **TextRank algorithm**, achieving 90% accuracy.
- Hosted API on **AWS EC2** and built backend with **Flask**, improving performance by 90%.

## Education

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### Jadavpur University

2019 – 2023

B.E. in Construction Engineering

8.19/10.0

## Projects

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### Geolocational Data Analysis

Source Code

- Utilized the **K-means algorithm** to predict student preferences using **Foursquare API** data for 1,000+ students.
- Used **Folium** for advanced geospatial visualization, improving decision-making by 50%.

## Technical Skills

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**Languages:** Java, Python, JavaScript, C++, SQL

**Backend:** Spring Boot, Flask

**Frontend:** HTML, CSS, Bootstrap, Thymeleaf

**Clouds & Databases:** AWS EC2, PostgreSQL, Microsoft Azure, Google Cloud, Hibernate

**Developer Tools:** Postman, VS Code, Git, GitHub

## Achievements and Certifications

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- Solved **590 problems**, ranked top **7.4%** on Leetcode.
- Google Certified Associate Cloud Engineer.
- Rank 998 out of 100k+ in Codevita.
- Rank 1648 in Google Kickstart 2022.