

NAMAN GUPTA

SOFTWARE DEVELOPER | BITS PILANI GRADUATE

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SUMMARY

Backend software developer building **Java/J2EE, Spring Boot, and SOA-based microservices** on a multi-tenant SaaS platform at Vegapay — **10K+ TPS, 100M+ monthly transactions, 99.99% high availability**. Hands-on with REST APIs, AWS, PostgreSQL/MongoDB, Kafka, Redis, Docker/Kubernetes, and CI/CD; comfortable across Java/Spring Boot and Python/Django backends. Prior e-commerce backend at goGlocal. BITS Pilani graduate; Codeforces Expert; published NLP research.

SKILLS

Languages:	Java / J2EE, Python, C++, C, JavaScript, SQL
Frameworks:	Spring Boot, Spring, Django, Flutter, SpaCy
Databases:	PostgreSQL, MySQL, Aurora MySQL, MongoDB, Redis, ORM
Cloud & DevOps:	AWS (EC2, S3, Aurora, Glue, Lambda), Docker, Kubernetes, Linux, Git, GitHub Actions, CI/CD
Architectures:	SOA, Microservices, Multi-tenant SaaS, REST APIs, Event-Driven (Kafka), Distributed Systems, High Availability, MVC
Tools & Concepts:	System Design (HLD/LLD), OOP, DS&A, Concurrency, Scalability, Performance, Security, Unit & API Testing (Mockito, Postman), Agile, Observability, SFTP, Chronos

WORK EXPERIENCE

Vegapay Technology Pvt. Ltd.

Software Developer

Bengaluru, India

Jan 2025 – Present

- Owned and architected a scalable reporting **microservice from scratch** on **Java/J2EE Spring Boot** — E-2-E ownership from ideation through **high-level and low-level design (HLD/LLD)**, data modeling, REST API design, and backend dev, deployed on AWS with CI/CD pipelines.
- Developed and enhanced the Credit Card Management System (CCMS) and **REST-based SOA backend** layers on a **multi-tenant SaaS platform** processing **10K+ TPS and 100M+ monthly transactions at 99.99% high availability** — standardizing responses across core transaction processors and third-party backends using Java/J2EE Spring Boot, with focus on performance, scalability, and security.
- Architected and delivered an event-driven pipeline to ingest client CSV files from SFTP servers via Kafka — persisting raw files to AWS S3 and structured metadata to PostgreSQL. Improved initial request latency by **80% to 30 ms** via adaptive service warming and AWS auto-scaling.
- Implemented Kafka-based event-driven workflows for transaction processing and reconciliation, leveraging message ordering and account-level locking to ensure correctness and consistency under heavy concurrent load.
- Built a robust QA automation framework with **unit and API tests** (Mockito, Postman), cutting regression time by **>95%** and enabling automated build/deployment pipelines (CI/CD on AWS); engineered daily client reporting using complex SQL joins across multiple tables (10K+ records/month, 100% on-time delivery, S3 archival).

MASTH (UltraHive HealthCare Pvt. Ltd.)

Chatbot Developer / ML Intern

Remote

May 2022 – Jul 2022

- Coded chat modules in Google DialogFlow to facilitate goal-directed conversations with ~1K users using Cognitive Behavioural Therapy.
- Built and integrated a responsive Flutter UI with backend services; launched personalized activity tracking in production app on Google Play Store.

goGlocal Pvt. Ltd.

Backend Developer Intern

Remote

Mar 2022 – May 2022

- Built a resilient, fault-tolerant **e-commerce marketplace backend** on Python/Django, PostgreSQL, and Figma, processing 10K+ daily transactions with low latency and supporting end-to-end seller operations.
- Designed a PostgreSQL schema managing 1.5M+ records with **70% unit test coverage** and deployed RESTful APIs that handled 20K+ peak daily requests at 150 ms average response time.

Algoix Technologies

Full Stack Developer Intern

Remote

Jul 2021 – Aug 2021

- Built a Recruiter-Learner-Mentor platform from scratch on Django/Python (HTML/CSS frontend) with a SQL database and 20+ REST endpoints serving 5K+ users.

EDUCATION

B.E. Electronics and Communication Engineering and M.Sc. Economics

Birla Institute of Technology and Science, Pilani

2020 – 2024

CGPA: 7.2/10.0

AISSCE (Class XII), CBSE

Vidhya Sagar School, Jaipur

2020

Percentage: 92.4%

PROJECTS

Web Server Application on AWS – C++, AWS EC2, Aurora MySQL, S3, Glue

Jun – Jul 2023

- Built and deployed a C++ web server on AWS EC2 with REST APIs over Aurora MySQL/S3/Glue; load-tested and scaled via load balancers, auto-scaling groups, and metric-based alerts.

Django Web App – Django, BeautifulSoup, Python

Feb – Mar 2021

- Built a dynamic article-publishing platform with user authentication, content management, and REST APIs exposed to the frontend.

KEY ACHIEVEMENTS

- University rank 2 & overall rank 205 in **ICPC Asia Qualifier 2023**; rated **Expert** on Codeforces; global rank 1024 in Google KickStart 2022 and 1984 in Facebook HackerCup 2023.
- Top 0.5% globally (Rank 26)** & University Topper in AlphaGrep AlphaVerse Premier League 2023; AIR 519 (Stage 1) & Global Rank 302 (Stage 2) in WorldQuant International Quant Championship 2023; Runner-up at company-wide Vegapay Hackathon; selected for MITACS 2023 International Research Internship at Laval University, Canada.
- Founded and engineered **35+ Alphas** predicting price movements and market inefficiencies, with returns ranging from **10% to 54%**, Sharpe ratio between 1.25 and 2.91, turnover up to 102%, and correlation below 0.7 across the USA and China regions.

PUBLICATION

Published research paper on **Named Entity Recognition Based Law Entity Privacy Protection** in IJSRCSEIT Journal (Dec 2023); built a custom NER pipeline with Spacy, NLP, NLTK & regular expressions to automate sensitive-entity detection and privacy protection in legal documents.