

Uttam Gelot

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Summary

Full-Stack Developer with 5+ years of experience in architecting scalable micro-services, REST APIs, and enterprise integrations. Skilled in Node.js, TypeScript, AWS and modern CI/CD, with a proven record of delivering high-impact solutions across e-commerce, IoT, and automotive domains. Specialises in performance optimisation and problem-solving.

Education

Bachelor of Computer Engineering (8.98 CGPA)

2016 - 2020

LJ Institute of Engineering & Technology, *Ahmedabad*

Skills

- **Technical:** JavaScript, TypeScript, NodeJS, NestJS, ReactJS, Three.js, Postgres, MongoDB, Python
- **Infrastructure & Tools:** AWS, Git, Github, Jira, Nginx, Redis, Kafka, Docker, Kubernetes, Jenkins, AWS CDK
- **Additional:** MQTT, Socket, IOT, Micro services, Elastic, Grafana, Webflow, ElectronJS, Swagger, Unit Testing, Contract Testing, Database ORMs, Feature Flag(Unleash), Sentry, Cursor, Claud

Experience

Director of Engineering at *Bacancy*

April 2022 - Present

- Progressed from **Senior Software Engineer** to **Lead Software Engineer** to **Engineering Manager** to **Director**, now leading the **NodeJS** department, driving strategy, planning, and execution
- Work with overseas clients while **leading and mentoring teams** across multiple projects, ensuring high-quality, fully functional deliveries aligned with business goals
- Own recruitment and growth initiatives including candidate interviews, project estimations, and conducting internal knowledge sessions (AI, best practices, etc)
- **Architect scalable systems**, design robust databases, and oversee **DevOps** operations (CI/CD, cloud infrastructure, deployments)

Sr. Web Developer at *Excellent Webworld*

June 2021 - March 2022

- **Architected** and **delivered** scalable web and IoT solutions using NodeJS, MySQL, MQTT, ElectronJS, and AWS—covering backend infrastructure, database design, APIs, and cloud deployments
- **Led** cross-functional **teams** and mentored developers, driving best practices in coding, architecture, and performance optimisation while ensuring on-time, high-quality project delivery
- **Collaborated** with overseas clients and stakeholders to define requirements, provide estimations, and implement secure, user-centric solutions such as smart home systems, medical GUIs, and e-commerce platforms

Full Stack Developer at *PulsAero Agency*

Nov 2020 - May 2021

- **Designed and developed full-stack web applications** using JavaScript, Python, Django, Webflow, and Three.js, including database design, planning, and end-to-end execution
- **Engineered** innovative solutions such as a centralised ad-platform dashboard (Google & Facebook) and automation scripts in Python for data scraping and process optimisation
- **Collaborated** with cross-functional teams and guided peers, ensuring technical best practices, creative problem-solving, and delivery of high-quality, scalable solutions

Achievements & Contributions

- **Awards:** Multiple Team of the Quarter awards, multiple Spot awards
- **Certificates:** [HackerRank](#) certificates
- **Contribution:** Contributed to [GlichTip](#) open-source project

Projects

E-commerce & Warehouse Integration Platform [🔗](#)

NestJS | Postgres | AWS | Kafka | Microservice | Caching

- **Integrated** multiple shop systems (**Shopify**, WooCommerce, Billbee, etc.) with warehousing partners (**DHL**, JTL, etc.) to enable smooth e-commerce operations
- **Led key integrations**, including onboarding DHL as a warehousing partner and migrating the Shopify connector from REST to GraphQL, ensuring a seamless transition
- **Optimised the codebase and database queries**, improving API performance by up to **40%** and reducing query latency from **4s** to **50ms**
- **Implemented** new features behind **feature flags** using Unleash, enabling safe and controlled rollouts in production
- **Debugged and resolved critical production issues**, leveraging **Sentry**, **Elasticsearch**, **CloudWatch** and **Elastic APM** for error tracking, observability, and monitoring

Automotive Marketplace & Finance Platform

NodeJS | Postgres | TypeORM | AWS | Redis | Swagger | DevOps

- **Architected** and **developed** backend infrastructure from scratch using NodeJS with tsconfig, PostgreSQL, and Redis, supporting vehicle trading, loan processing, and expert consultation workflows
- Built core business modules including vehicle management, order processing, multi-role user systems, and loan application workflows with advanced credit assessment and risk evaluation
- **Integrated** third-party services such as **Stripe**, **Twilio**, **AWS**, ensuring secure and reliable business operations, while also managing **DevOps** tasks including Jenkins-based CI/CD pipelines
- **Optimised** database design and implemented RESTful APIs with Swagger, enabling seamless client-side integration and comprehensive documentation

Smart Home Solution

TypeScript | AdonisJS | MySQL | MQTT | AWS

- **Architected** and **developed** the backend from scratch using **TypeScript**, **MySQL**, **AWS**, and a custom **MQTT broker** to enable seamless communication with IoT devices, along with an admin panel for device management
- **Led** core **architectural** and **product decisions**, ensuring scalability, reliability, and alignment with long-term business goals
- Managed **DevOps** responsibilities, including cloud deployments, and infrastructure monitoring to maintain system **stability** and performance

Art Museum

Webflow | Three.js | Blender | GCP | HTML | CSS | JavaScript

- **Developed** an **interactive 3D virtual museum** from scratch, enabling users to freely navigate immersive galleries and explore digital art exhibits created with **Blender**
- **Integrated** the museum into **Webflow** with its **cart functionality**, supporting seamless user interactions and e-commerce capabilities
- **Implemented** cloud storage on **GCP** for managing and delivering high-quality 3D assets