

SANKET KUMAR

PYTHON | MERN | Full Stack Developer

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 2+ years of hands-on experience designing, developing, and deploying scalable microservices and cloud-native REST APIs on AWS, Azure, and Google Cloud Platform. Strong programming expertise in Python and JavaScript with working knowledge of Python, Node.js and modern frontend technologies (Next, React, TypeScript, JavaScript). Experienced in distributed systems, event-driven architectures, CI/CD automation, containerization (Docker), and DevOps practices. Proven ability to deliver high-performance, production-ready services with 90%+ test coverage in Agile/Scrum environments.

Familiar with AI-assisted development using GitHub Copilot and LLM tools to accelerate delivery.

TECHNICAL SKILLS

Languages	Python, Fast API, Node.js, JavaScript, TypeScript
Frontend	Next.js, React, HTML5, CSS3,
Cloud & DevOps	GCP (Certified), AWS, Docker, VPS, CI/CD Pipelines
Architecture	Microservices, Distributed Systems, Event-Driven Design, REST APIs, Clean Architecture
Databases	PostgreSQL, MongoDB, Redis
Frameworks	Django (Python), Fastify (Node.js), Next.js (React)
Testing & QA	Jest, Py Test, TDD, Postman/Swagger (OpenAPI), 80%+ coverage
AI & Tools	GitHub Copilot, OpenAI API, Claude AI, Prompt Engineering

PROFESSIONAL EXPERIENCE

Full Stack Developer | Infosware Pvt Ltd - | Noida (UP), India *Oct 2024 – Oct 2026*

Worked across the complete software development lifecycle, including API development, database design, System design and optimization, third-party API integration, automated testing, CI/CD pipelines, Docker containerization, and AWS/VPS deployments. Experienced in developing production-oriented applications with a focus on performance, scalability, security, automation, and maintainable architecture.

KEY PROJECTS

AI-Powered Fashion Studio | Infosware, Noida, India *Nov 2025 – July 2026*

- Architected and delivered a SaaS-based AI photoshoot platform using Next.js, Python Fast API and PostgreSQL, eliminating physical studio dependencies and reducing vendor image production costs by 60%.
- Integrated Fal.AI (Flux Schnell & VTON models) via asynchronous RESTful APIs to power high-fidelity Virtual Try-On (VTON) and multi-angle model generation in real-time.
- Engineered a dynamic prompt-mapping architecture that translates UI parameters (background, camera angle, model traits) into structured DB prompts for precise, repeatable image synthesis.
- Accelerated development velocity by using GitHub Copilot and Claude for API route scaffolding, prompt-parser logic generation, and automated edge-case handling.
- Implemented an asynchronous background job queue (Bull MQ/Redis) to process heavy image generation tasks without blocking API threads, reducing client request timeouts by 90%

Infosware Company Website & OMS | Infosware, Noida, India *May 2025 – Nov 2025*

- Developed a high-throughput company web application and multi-role access control (JWT-based RBAC) for Customers, Designers, Accountants, and Admins.
- Engineered a single-thread vendor communication module in PostgreSQL, centralizing order updates and

audit trails which reduced cross-department follow-up time by 40%.

- Built automated transactional email approval workflows using Node.js/Nodemailer, cutting manual card-order approval response times from hours to minutes.
- Streamlined testing and documentation by generating Swagger (OpenAPI) specifications and Jest test cases, maintaining 85%+ backend code coverage.
- Set up automated CI/CD pipelines via GitHub Actions for automated testing, Docker containerization, and seamless deployments on VPS, reducing deployment effort by 50%.

Real Estate / E-Commerce | Infosware, Noida, India *Oct 2024 – May 2025*

- Delivered an end-to-end multi-tenant e-commerce platform with secure payment gateway integration, real-time inventory management, and an interactive admin portal.
- Architected a automated inventory tracking system using Express.js and MySQL Triggers, automatically detecting stock discrepancies and generating 24-hour consolidated audit reports.
- Set up automated CI/CD pipelines via GitHub Actions for automated testing, Docker containerization, and seamless deployments on AWS EC2, reducing deployment effort by 50%.
- Optimized database performance by indexing MySQL and MongoDB queries, cutting API latency for high-traffic product catalogue listings.

Tactical Supply Chain & Offline Verification System (Node.js, Python, PostgreSQL, Hardware SDKs, Crypto) (Demo Projects) | Infosware

- Architected an offline-first military consignment tracking system using Python Scripts, Node.js, Express, and SQLite/PostgreSQL for secure document and weapon dispatch from central warehouses to remote checkpoints.
- Integrated ACR122U USB NFC Readers (Desktop Gate Entry) and ChainwayC72 Android Scanners (Rugged Handhelds) via Native SDKs for high-speed hardware-level tag read/write operations at checkpoints.
- Engineered cryptographic NFC/RFID wristband authentication using AES-256 encryption & PBKDF2 hashing to store encrypted consignment payloads directly on hardware tags, preventing unauthorized data decoding.
- Designed a dual-verification gate clearance engine that validates driver RFID credentials against offline encrypted local manifests, enabling sub-second verification without active network connectivity.

CERTIFICATIONS

- Full Stack Certification (Ducat Ai School) (2024)
- GitHub Copilot Fundamentals Certification (GitHub, 2024)
- Actively learning: Advanced Python, AWS ecosystem, AI/LLM integration

EDUCATION

Masters of Computer Application (MCA)

Galgotia's College of Engineering and Technology, Greater Noida, UP | 08/2022 - 05/2024

Bachelor of Science (B.SC)

Dr. Bhimrao Ambedkar University, Agra UP | 04/2016 - 06/2020

KEY ACHIEVEMENTS

- 30% acceleration in feature delivery through AI-assisted development (GitHub Copilot)
- 80% reduction in API latency (2.0s to 300ms) through Kubernetes autoscaling and Redis optimization
- 90%+ consistent test coverage across all microservices; zero critical production bugs
- 6x improvement in deployment speed (30 min to 5 min) via CI/CD pipeline optimization
- Mentored 4 junior developers on MERN best practices, TDD, and microservices architecture