HRITIKA JAISWAL

Senior System Engineer

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PROFILE

Dynamic and meticulous Software Engineer with 3+ years of expertise in backend development, microservices architecture, and building scalable fintech solutions. Experienced in developing RESTful APIs and integrating Python-based utilities with Node.js services within the Finacle payment platform. Skilled in optimizing system performance, resolving complex technical issues, and ensuring seamless service integration in high-scale environments. Proficient in Python, Node.js, SQL, TypeScript and modern testing frameworks like Mocha/Chai, with a focus on delivering efficient, maintainable, and bug-free solutions. A proactive collaborator driven to innovate, streamline processes, and support growth in fast-paced, startup-like environments.

EDUCATION

B.Tech in Electronics And Communication(ECE), Madhav Institute of Technology & Science, Gwalior
2018-22 | CGPA: 8.02/10

LANGUAGES

- JavaScript
- TypeScript
- Python
- Java
- SQL

TECHNOLOGY & FRAMEWORKS

- Node.js
- Express.js
- Node-RED
- Django, Pandas
- SpringBoot
- Loopback
- MySQL
- PostgreSQL
- MongoDb
- Redis
- RabbitMQ
- Git
- RestAPI/GraphQL
- Postman/ Swagger
- Jenkins/GitLab CI/CD
- Mocha/Chai
- AWS

SKILLS

- Data Structure
- Algorithms
- Microservice Architecture
- OOP
- Agile/Scrum
- Atlassian Toolset

PROFESSIONAL EXPERIENCE

Senior System Engineer - INFOSYS
Aug 2022 - Present

Contributed to Finacle, a leading fintech platform known for its wide range of banking solutions, including core and digital banking and payment processing, utilized by financial institutions worldwide. Enhanced its architecture and functionality by developing and optimizing backend services, driving performance improvements, and ensuring scalability to support large-scale banking operations.

Finacle - OePayments

- Contributed to Finacle Payments Suite by integrating ACH, RTGS, SWIFT with real-time payments, blockchain-based Payments Connect, and ISO 20022-compliant Message Hub.
- Enhanced and maintained core microservices (Message Hub, transaction-handler, inbound/outbound) for global payment schemes like SWIFT, SEPA, NEFT, and RTGS, boosting transaction throughput by 15% and ensuring smooth processing.
- Built a Python (Django, Pandas)-driven utility for Admin Configurator microservice to automate Excel-based uploads, generating Finacle-compliant JSON and integrating with Node.js via REST APIs—saving 10+ hours/week and reducing config errors by 80%
- Diagnosed and resolved critical issues across the OEPayments , implementing system updates to maintain stability and ensure reliability in high-volume payment operations.
- Facilitated the onboarding of around 5 financial institutions to OEPayments beta by providing technical support and helping ensure smooth adoption for global clients.

Finacle - OeCloud Framework:

- Contributed to OeCloud, a Node.js and TypeScript framework on LoopBack, enabling rapid API and microservice development with seamless database integration, automatic REST endpoint generation, and enterprise-grade cloud banking solutions.
- Developed backend functionalities using TypeScript and Node.js, ensuring system stability and scalability through bug fixes, performance optimizations, and seamless feature integration in a robust architecture.
- Optimized database performance by introducing query caching and implementing bulk insert functionality for PostgreSQL connectors, improving data processing efficiency by almost 40%.
- Delivered high-quality releases by collaborating with cross-functional teams, driving robust, bug-free code through unit and integration testing with Mocha, while maintaining clear documentation of technical implementations and API specifications to streamline collaboration and deployment.
- Worked in an Agile environment, ensuring continuous integration and delivery through CI/CD pipelines, with a focus on performance tuning and system scalability for cloud-based applications.

Frontend Intern - PNINFOSYS
Nov 2021 - April 2022

- Developed a responsive shopping website for a local vendor using HTML5, CSS3, and JavaScript, ensuring cross-browser compatibility and device optimization
- Built the backend with Spring Boot and MySQL, supporting product listings, authentication, order management, and integrated RESTful APIs.