

Partha Saha

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SUMMARY

Experienced software developer with 3 years of expertise in Backend development, Specializing in Node.js, Python, SQL, and Azure. Proficient in CI/CD processes and Microservices architecture. Delivers reliable and efficient software solutions.

EXPERIENCE

TATA CONSULTANCY SERVICES LIMITED | SYSTEMS ENGINEER

October 2022 - Present | Kolkata, India

→ One Performance Management:

- Contributed to backend development, crafting a microservices application to visualize Medtech product, financial, and operational data for a leading USA-based MedTech company.
- Utilized Python, Flask, MS SQL Server, Redis Cache, and Docker to ensure high availability and optimal performance.
- Delivered a high-impact solution that boosted operational efficiency, resulting in a 35% increase in data-driven decision-making accuracy.

→ Instrument Data Platform:

- Enhanced Node.js and React.js codebases, improving code quality, writing unit test cases, optimizing query efficiency, and reducing API response times by 40%.
- Leveraged Azure services like Virtual Machines, Logic Apps, Web Apps, SQL Server, and Storage Accounts, enhancing security and scalability for over 30,000+ users.
- Improved CI/CD process with Jenkins, JFrog, and SonarQube, reducing deployment times by 30%.
- Contributed to a 25% increase in user engagement metrics through enhanced application performance.

→ Track n Trace:

- As a team member in backend development, developed an IoT-based MedTech application for global medical equipment monitoring using Node.js, Express.js, and MS SQL Server, supporting over 50,000+ devices.
- Applied Azure services such as Storage Account, Virtual Machines, Key Vault, Service Bus, Functions App, and Redis Cache, ensuring secure and scalable solutions, boosting operational efficiency by 30%.
- Enabled real-time monitoring and better equipment management, resulting in a substantial 40% increase in data-driven monitoring accuracy.

AGPAYTECH LTD. | JUNIOR WEB DEVELOPER

August 2021 - August 2022 | Kolkata, India

→ ATLPay:

- Engineered backend services for a UK-based Payment Aggregator Platform using Node.js, Express.js, PostgreSQL, and microservices architecture.
- Created comprehensive API documentation using Swagger, enhancing developer onboarding efficiency by 30%, and collaborated closely with the cross-functional team to achieve project goals.

SKILLS

PROGRAMMING:

NodeJS • Python • JavaScript
TypeScript • SQL • NoSQL

DATABASES:

Microsoft SQL Server • Redis
PostgreSQL • MongoDB

FAMILIAR:

React.js • HTML • CSS

LIBRARIES/Frameworks:

Express.js • Flask

DESIGN PATTERNS:

REST API • OOPs • MVC
Microservices

TOOLS:

Git • Swagger • Postman
SonarQube • Jira • Confluence

PLATFORMS:

Jenkins • JFrog • Docker
Microsoft Azure • Netlify

SOFT SKILLS:

Communication • Teamwork
Problem-solving • Analytics

EDUCATION

B.TECH IN ELECTRONICS AND COMMUNICATION

ABACUS INSTITUTE OF ENGINEERING AND MANAGEMENT

University: MAKAUT (WBUT)

August 2016 - July 2020 | Kolkata, WB

CERTIFICATIONS

- NodeJS - The Complete Guide (Udemy)
- Python Programming (Aspirevision tech education)
- React - The Complete Guide (Udemy)

PERSONAL PROJECT

REAL TIME CHAT APP

Node.js • React.js • MongoDB
• Socket.io