

NEELANDRA KAR

Software Engineer

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PROFESSIONAL SUMMARY

Backend Developer with over four years at Shyam Steel Manufacturing Limited, transitioning from QA Test Engineer (2021–2024) to Backend Developer, specialising in scalable RESTful APIs using Node.js and PHP, integrated with MySQL and MongoDB. Delivered high-impact solutions including ML models for sales forecasting, an e-commerce dealer order module, and automated incentive systems that streamlined operations and improved decision-making across sales teams. Proficient in CI/CD automation with Jenkins and Docker, API testing with Postman, and Agile collaboration, with a strong QA foundation that carries into writing reliable, well-tested backend code. Comfortable working directly with stakeholders to turn business requirements into production-ready features.

ACADEMIC QUALIFICATIONS

Year	Qualification	Institute	Result
2025 – Present	MCA	Sikkim Manipal University	Pursuing
2018 – 2021	B.Sc. (Chemistry)	Santipur College	Graduated

WORK EXPERIENCE

Software Engineer | Shyam Steel Manufacturing Ltd, Newtown, Kolkata

Mar 2024 – Present

- Design and develop scalable RESTful APIs using Node.js and PHP, integrated with MySQL and MongoDB, to support business applications.
- Built a Python/scikit-learn ML model to predict sales trends, integrated with MySQL to enhance data-driven decision-making.
- Lead multiple high-profile projects; architected fast APIs and optimised response times of existing modules.
- Implement CI/CD pipelines with Jenkins and Docker; conduct code reviews and mentor junior developers within Agile/Scrum processes.
- Collaborate with cross-functional and frontend teams to gather requirements and ensure seamless data flow.

QA Test Engineer | Shyam Steel Manufacturing Ltd, Newtown, Kolkata

Aug 2021 – Mar 2024

- Implemented regression, integration and UI tests to ensure code quality and reliability.
- Automated API deployment workflows using Python and CI/CD tools, improving delivery efficiency.
- Participated in Agile/Scrum ceremonies, sprint planning and retrospectives; reviewed code for quality and maintainability.

KEY PROJECTS

- Incentive Module:** Node.js + MongoDB module automating monthly incentive calculations for sales personnel.
- Sales Dashboard:** PHP/Node.js APIs with MySQL & MongoDB powering sales tracking and reporting.
- Shyam Steel Retail App:** Python/Node.js APIs with MongoDB for field employees’ daily tasks and data updates.
- Predictive Sales Forecasting:** ML model forecasting sales trends from historical data, boosting planning accuracy.
- Dealer Order Module (E-commerce):** Backend for a dealer-facing B2B e-commerce ordering system, handling order placement, processing and tracking.

SKILLS

Languages	Python, JavaScript, PHP, Java, Dart
Frameworks / Libraries	Express.js, scikit-learn, pytest, Postman
Databases	MySQL, MongoDB, PostgreSQL
Tools & Practices	Git, Jenkins, Docker, Jira, Agile/Scrum, TDD, BDD, RESTful APIs, CI/CD