



Koushik Panda

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Education

University of North Bengal

Master of Computer Applications (MCA)

Sep. 2023 – 2025

Siliguri, West Bengal

Panskura Banamali College

Bachelor of Computer Application (BCA)

Sep. 2020 – 2023

Panskura, West Bengal

Relevant Coursework: Data Structures and Algorithms, Software Engineering, DBMS, Object Oriented Programming, Operating Systems, Computer Networks, Discrete Maths, Computer Architecture, AI, Cloud Computing, Web Development, Mobile App Development, Database Design, Machine Learning.

Skills

Languages : JavaScript, TypeScript, Dart, Python, Java, C++
Front-End Technologies : Next.js, React.js, Tailwind, Bootstrap, Framer Motion, HTML5, CSS3
Back-End Technologies : Node.js, Express.js, NestJS, Firebase, Postman, Insomnia
Mobile App Technologies : React Native, Flutter, Redux, Riverpod
Database Managements : MongoDB, MySQL, PostgreSQL
DevOps Technologies : Docker, Kubernetes, CI/CD, AWS, Azure
Tools : Git, GitHub, Jira, Bitbucket, Postman, Docker
Cloud Technologies : AWS, Firebase, DigitalOcean

Experience

Fordel Studio

Software Development Engineer

Sep 2024 – Dec 2024

Siliguri, India

- Developed and maintained web applications using Next.js, React.js, and Redux for full-stack functionality.
- Implemented backend services with Magento, Node.js, NestJS ensuring high performance, scalability, and security.
- Developed and maintained mobile applications using Flutter, Riverpod, and Provider for cross-platform functionality and state management.
- Collaborated with senior developers to identify issues, implement fixes, and deploy updates efficiently using CI/CD pipelines.

Projects

Multi-Vendor E-commerce Food Delivery Platform

- **React.js | Next.js | MongoDB | ExpressJS | NodeJS | Redux | JWT | RazorPay | Docker | Kubernetes | AWS**
- Engineered a **feature-rich E-commerce platform** with secure authentication, a real-time shopping cart, search functionality, and payment gateway.
- Created a **robust seller panel with 100% CRUD operations**, improving management efficiency by **23%**.
- **Improved performance by 35%** using Context API and Redux for global state management.
- **Enhanced UI/UX with Reusable Components, React Icons**, and integrated **Toast** for better notifications.
- **Architected scalable solutions** using **Docker, Kubernetes, and Kafka**, and **microservices architecture** to enhance deployment efficiency and system scalability.
- **Implemented Test-Driven Development (TDD)** to ensure high code quality and reliability, leveraging unit and integration tests throughout the development process.

Document Signing Mobile App

- **Flutter | Riverpod | Firebase | Clean Architecture**
- Developed a **document signing application** at **Fordel Studio**, enabling seamless e-signature workflows for businesses and individuals.
- **Optimized app performance**, by **53%** using efficient state management with Riverpod and streamlined backend interactions.

Certificates

- **Foundation of Cloud IoT Edge ML**
Certified by **NPTEL**, with a score of **79%** gained expertise in integrating IoT devices, cloud platforms, and edge machine learning.