Pranab Dey

Senior Software Engineer

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SUMMARY

Senior Full Stack Software Engineer with 6+ years of experience in building scalable, cloud-native applications using React, NodeJS, NestJS, AWS and serverless technologies. Proven success in delivering high-performance APIs, modern frontend architectures, and cost-efficient event driven systems in agile teams.

WORK EXPERIENCE

Senior Software Engineer   Oct '23 — Present
Flarie   Sweden (Remote)

- Led development of 70% of new product features, including Receipt Scan, User Guidance, Game Wizard, and GDPR compliance, significantly enhancing user experience and regulatory alignment.
- Integrated responsive design and optimized rendering performance across devices, reducing initial load times by over 30%
- Designed and implemented 60% of the serverless architecture for event driven workflows, improving system scalability and performance by 23%.
- Contributed to key product decisions and designing of business-critical services.
- Assisted in data migration, ensuring a seamless transition while maintaining data integrity. Refactored analytics-dependent services by writing complex, high-throughput queries optimized for big data environments.
- Spearheaded efforts to achieve 95% test coverage across the system, with a strong focus on robust authentication and authorization workflows.

Software Development Engineer II   Aug '21 — Sep '23
Fonn Group   Norway

- Developed award-winning cloud news rundown tool named Dina (https://7mountains.com/), recognised at IBC
- Implemented state management solutions using Jotai, Redux, and Zustand based on app complexity and data flow requirements.
- Designed serverless application for asset management, performance tuning the system efficiency by 25%.
- Developed and maintained event driven backend, enhancing product modularity and scalability.
- Integrated 35% of third-party features from Mimir (https://mjoll.no/mimir) to enhance product functionality, particularly in asset metadata handling.
- Built custom UI libraries and reusable components using Styled Components and Material UI, ensuring design consistency across product modules

Frontend Engineer   Feb '19 — Jul '21
IDARE   Bangladesh

- Developed a custom package for seamless rendering, downloading, and editing of PDFs.
- Implemented 15% of the Production module in ERP using AWS services.
- Developed Automated Email & SMS Service for transaction notifications.
- Created complex SQL queries for data visualization in QlikView reporting tool.
- Streamlined performance monitoring and debugging using tools like Chrome DevTools, Lighthouse, and React Profiler

SKILLS

Programming Languages   JavaScript, TypeScript, JSON

Frontend Development   React, Redux, Jotai, Zustand, Styled Components, Material UI, React Testing Library (RTL), SSR, CSR, PWA, Web3, Apollo Client, WebSockets

Backend Development   Node.js, Nest.js, REST APIs, GraphQL, Microservices, Event Driven Systems, Design Patterns, Mocha, Jest

Cloud Services   Lambda, SNS, SQS, Cloudformation, AppSync, Textract, Eventbridge, CI/CD, API Gateway, AWS CodePipeline, AWS CodeBuild

Tools & Methodologies   Git, Postman, Webpack, Vite, Jira, Agile Workflow, TDD, Datadog

EDUCATION

Bachelor of Science in Computer Science and Engineering, Ahsanullah University of Science & Technology   Jul '12 — Sep '16

- *Data Mining Techniques for (Network) Intrusion Detection System (IJCA)*

CERTIFICATIONS

Front-End Web Development with React, Hong Kong University of Science and Technology   Aug '20

Front-End Web UI Frameworks and Tools, Hong Kong University of Science and Technology   Jul '20

AWS Certified Solutions Architect Associate, In Progress   Dec '25