

Devarshi Roy

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PROFESSIONAL EXPERIENCE

Deloitte USI - Senior consultant/Senior full stack engineer

Feb,2025 – Present

Tech Stack: React, TypeScript, Next.js, Node.js, Express.js, Go, PostgreSQL, Redis, GraphQL, AWS Lambda, API Gateway, DynamoDB, SQS, SNS, RDS, S3, Docker, GitHub Actions, Jest, SonarCloud, Github Copilot, Agentic workflows

- **Led the architecture and delivery of an event-driven reconciliation platform** using AWS SQS and PostgreSQL, reducing processing time **from 24 hours to under 5 minutes and disputes by 30%.**
- **Drove technical design decisions across Node.js, TypeScript, and Go services,** defining integration patterns for financial workflows, third-party APIs, asynchronous processing, and failure recovery.
- **Designed high-concurrency transaction workflows** using database locking, idempotency, deduplication, and transactional outbox patterns to ensure consistency across distributed services.
- **Led end-to-end delivery of a React and Node.js loan-processing application, reducing approval time from 7–10 days to under 3 days.**
- **Established observability and automated quality practices across services,** reducing root-cause analysis time by 50% and QA defects by 15%.
- **Partnered with cross-functional stakeholders to translate complex business requirements into scalable architectures,** guide technical trade-offs, and drive production delivery.
- **Led frontend performance improvements through API batching and React virtualization, reducing dashboard load time by 45% and improving onboarding completion by 20%;** mentored engineers through design and code reviews.
- **Co-developed and evaluated GitHub Copilot agentic workflows across 3 codebases,** using hierarchical Markdown-based context, structured design guardrails, and prompt strategies to **assess code quality, maintainability, readability, and implementation consistency.**

Accenture - Application development Team Lead/Lead full stack engineer

Sep,2021 – Feb,2025

Tech stack - React, TypeScript, Node.js, Express, AWS (Lambda, DynamoDB, RDS – PostgreSQL, S3)

- **Architected an event-driven regulatory validation engine processing 20 GB datasets,** reducing execution time from **30 minutes to under 5 minutes** and enabling near-real-time BASEL 3/3.1 validation.
- **Led architecture and adoption of a metadata-driven React component platform across 6+ regulatory departments,** standardizing reusable UI patterns, reducing duplicate development effort by 70%, and accelerating feature onboarding by 40%.

Cognizant Technology Solutions - Software engineering associate

Oct,2019 – Sep,2021

Tech stack - React, TypeScript, Node.js, PostgreSQL, AWS Lambda

- **Developed insurance claim UIs, APIs, and integrations, improving performance by 25% and reducing underwriting delays by 30%.**

LearningMate - Software engineer

Mar,2017 – Oct ,2019

Tech stack - React, Node.js, AWS DynamoDB, AWS Lambda, JavaScript

- **Developed EdTech UIs, APIs, and payment integrations,** cutting support tickets 20%.

Capgemini - Software engineer

Nov,2015 – Mar,2017

Tech stack - Angular, HTML, CSS

- **Developed an accessible front-end for “Move Money,” improving UX and reducing errors 20%.**

SKILLS

- | | | | |
|--------------|----------------|------------------------|----------------------|
| • TypeScript | • AWS Lambda | • PostgreSQL | • Java(Foundational) |
| • Node.js | • AWS DynamoDb | • Redis | • Github Copilot |
| • Express | • Kafka | • Microsoft Certified: | |
| • React | • AWS SQS | Azure Developer | |
| • Next.js | • AWS SNS | Associate (AZ-204) | |
| • gRPC | • Go | • Docker | |

Education

Guru Nanak Institute of Technology
Bachelor of Technology, Electronics and Instrumentation Technology

2015