

# Tanmoy Kumar Roy

Full Stack Lead - App Engineering

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Bangalore, India

## PROFILE

Full Stack Developer with 4+ years of experience building scalable web applications using JavaScript frameworks (React, Vue, Node). Proven track record in delivering high-performance UIs, optimizing APIs, and deploying cloud-native solutions on AWS and Azure. Recognized for accelerating product delivery and leading B2B product development from concept to MVP.

## SKILLS

Javascript, ReactJS, NodeJS, MYSQL, VueJS, NextJS, HTML, CSS, SCSS, Azure DevOPS, Jest JS, DB Fit, Agile and Scrum Methodologies, PostGRESQL, AWS S3, Lambda, Stepfunctions, SNS, SES, SQS,, REST API Development, GIT Version Control, Responsive Web Design, Backend, Frontend, Cloud

## PROJECTS

### SenseAI- Deeptthought, Tiger Analytics Feb 2025 – present

- **Tech Stack:** React (v18), Node.js, Express.js, MySQL, PostgreSQL, Sequelize, HTML, SCSS, Azure App Services, WebSockets, Keycloak, Power BI
- Led the end-to-end development of *DeepThought*, a proprietary B2B AI platform built from scratch to support enterprise-scale use cases and LLM-powered chat workflows.
- Delivered two full MVPs within three months, enabling rapid client onboarding and internal demo cycles.
- Architected and developed full-stack infrastructure using React and Node.js, with seamless integration of real-time features via WebSockets.
- Built advanced file viewing, uploading, and editing modules, enabling users to interact with files and send them directly to the integrated LLM chat interface.
- Integrated dashboards from Power BI and MicroStrategy, creating unified analytics views for business users.
- Implemented secure authentication and role-based access using Keycloak, ensuring compliance and controlled access.
- Developed and maintained a reusable UI component library, boosting front-end scalability and development speed.
- Collaborated closely with product owners and cross-functional teams to align technical features with evolving business needs and client demands.
- Integrated external Python-based services for analytics and machine learning, supporting intelligent decision-making across workflows.

### Talent Modeling and Forecasting Web Application, Accenture May 2021 – Feb 2025

- **Tech Stack:** VueJS, NodeJS, ExpressJS, JavaScript, HTML5, SCSS, AWS (S3, Lambda, Step Functions, SNS, SES, SQS, EC2, CodePipeline), SQL, JestJS, DBFit
- Developed predictive model generation features, increasing visualization tool usage by 40%.
- Created a dynamic report page with optimized S3 data retrieval, cutting wait times by 30% for 1,000+ daily users.
- Implemented role-based access control, securing sensitive data for 100+ users.
- Built a skip-level forecasting feature that reduced manual effort by 25% and improved model accuracy by 15%.
- Boosted API and query performance by 50%, enabling sub-10 second data retrieval for large datasets.
- Built a custom AWS Lambda plugin, reducing deployment size by 50% and time by 40%.
- Resolved 150+ critical bugs and improved system stability by 40% through targeted enhancements.
- Automated deployment via AWS Step Functions, cutting manual work by 80% and accelerating release cycles by 25%.

### Leadership Data Automation API, Accenture Jun 2022 – Jun 2024

- **Tech Stack:** Node.js, AWS (Lambda, Step Functions, SNS), XML, Postman
- Developed secure, high-performance APIs to deliver confidential leadership data, handling 500+ daily transactions.
- Optimized API performance, reducing response times from 30s to <10s for large datasets.
- Integrated key datasets into a talent modeling app, enabling predictive analytics for 900+ users.
- Automated data filtering, validation, and processing using AWS Step Functions and Lambda, cutting manual effort and processing time by 70%.
- Implemented an SNS-based notification system for real-time deployment updates to 120+ stakeholders.

## PROFESSIONAL EXPERIENCE

### Lead- App Engineering, Tiger Analytics Feb 2025 – present | Bangalore, India

- Leading development of two B2B products integrating enterprise data with LLM-powered chat applications and embedded dashboards (e.g., Power BI, MicroStrategy).
- Responsible for end-to-end architecture, feature delivery, and cross-functional coordination.

### Full Stack Developer, Accenture May 2021 – 2025 | Bangalore, India

- **Full Stack JavaScript Specialist:** Specialized in VueJS, NodeJS, ExpressJS, MySQL, HTML, CSS, DBFit, JestJS, AWS, and Azure DevOps, contributing to the successful delivery of 2+ projects on time and improving system stability.

### Summer Intern (Full stack), Highradius Apr 2020 – Jun 2020 | Bhubaneswar, India

- Worked on building AI chatbot integrated web application based on HTML, CSS, Java, ReactJS, MYSQL

## EDUCATION

### Bachelors of Technology, Kalinga Institute of Industrial Technology 2017 – 2021 | Bhubaneswar, India

Computer Science and Systems Engineering  
C.G.P.A: 8.55

## CERTIFICATES

AZ-305 - Azure Solutions Architect, AZ-104: Microsoft Azure Administrator Associate, AZ-900: Microsoft Azure Fundamentals, PL-900: Microsoft Power Platform Fundamentals