

Rana Mondal

Full-Stack Engineer, AI & Workflow
Automation

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<https://ranamondal03.github.io/portfolio/>

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713216, India

Full-stack developer with 5+ years in MERN stack, expert in clean architecture and AWS for scalable, agile solutions. Delivered complex insurance-sector apps. Skilled in AI-driven agentic development and workflow automation to enhance efficiency and innovate modern web experiences.

Work Experience

Associate - Full Stack Engineer

Apr 2022 - Present

Cognizant | Kolkata

Developed TURBO test-data management tool (MERN on OCF) with React/Redux-Saga UI, TypeScript/Express orchestration, Mongo Atlas API, Kafka listeners, schedulers; led PCF → OCF, Teradata → Snowflake, Mongo → Atlas migrations; built micro-frontend for GitHub repo creation using AWS Lambda, RabbitMQ, Terraform, Kubernetes, Jenkins.

- Implemented React JS front-end with Redux Saga for state management and Express JS/TypeScript orchestration API
- Built MongoDB API with Mongoose and Mongo Atlas for robust data operations
- Developed Kafka listeners (eef-sdk) and scheduled jobs for event-driven processing and long-running tasks
- Led cloud migrations: PCF → OCF, Teradata → Snowflake, MongoDB → Mongo Atlas
- Leveraged serverless AWS Lambda and Amazon State Machine for orchestration
- Wrote clean, reusable code following SOLID/Robert C. Martin principles
- Performed end-to-end and unit testing with Jest in an Agile insurance-sector environment
- Integrated RabbitMQ and Kafka for reliable event-driven triggers
- Deployed on Open Cloud Foundry using Terraform, Helm Charts, and Kubernetes
- Implemented CI/CD via GitHub Actions, Jenkins pipelines, and okta

Full Stack Web Developer

Dec 2019 - Apr 2022

Infosys | Mysore

Completed 4-month Infosys Mysore MEAN Stack training; supported MEAN-based client apps with Express, AngularJS, and TypeScript; configured workflows, validated business rules, and performed manual test data setup; engaged clients on requirements; utilized MongoDB, Mongoose, REST APIs, and ETL.

- Completed intensive 4-month Infosys Mysore MEAN Stack training, mastering Express.js, AngularJS, TypeScript, and MongoDB
- Provided support development for MEAN-based applications across insurance clients, ensuring timely issue resolution
- Collaborated directly with clients to gather requirements and translate them into technical specifications
- Configured application workflows, validated business rules, and performed manual test data setup for QA
- Utilised GitHub for version control and ETL processes to streamline data integration and management

Core Skills

React, Angular, Node, Express, MongoDB, SQL, Snowflake- AWS Lambda, State Machine, Terraform, Kubernetes, Jenkins- Kafka, RabbitMQ, CI/CD, GitHub Actions, Micro Frontends- AI Workflow Automation: RAG, MCP, n8n, LLMs

Education

RCC Institute of Information Technology

May 2015 - Jun 2019

B.Tech Computer Science & Engineering
GPA: 7.9

Hemsheela Model School

Jul 2013 - Jul 2015

CBSE Science
GPA: 84%

Certificates

Infosys Certified React Developer

Infosys

Infosys Certified Agile Way of Working Foundation

Infosys

Cloud Computing and Development (AWS) from

WebTek Labs Pvt. Ltd