Amlan Roy
Full Stack Developer | Angular | React | Node.js | Python | FastApi
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Professional Summary

IT Professional with **8 years of experience** (full-stack & front-end development). Specialized in **Angular, ReactJS, NodeJS, Python**, **FastApi** and scalable **web application development**. Skilled in RESTful API design, database management (**MySQL, MongoDB**), and cloud platforms (**AWS, GCP, AZURE**). Strong collaborator with proven ability to deliver robust solutions, mentor teams, and adapt to new technologies for organizational success.

Core Technical Skills

Frontend: JavaScript (ES6+), TypeScript, Angular (CLI, RxJS, NgRx, Angular Material), React (Hooks, Redux, Router), HTML5, CSS3 (Flexbox, Grid, Sass, Less).
Backend: Node.js (Express.js), Python (**FastApi, Django, DRF, Flask**), REST APIs, GraphQL.
Databases: MySQL, PostgreSQL, MongoDB, Redis.
Cloud & DevOps: AWS (EC2, S3, Lambda, RDS), GCP, Docker, Kubernetes, Jenkins, GitHub Actions.
Tools & Practices: Git/GitHub/GitLab, Agile/Scrum, Jira, CI/CD, Jest, Cypress, Jasmine, Karma.

Professional Experience

Tata Consultancy Services (TCS) – Assistant Consultant
🖼 **16th May 2022 – 28th Aug 2025 | EMP ID: 2309120**
Tech Stack: ReactJS, Angular, NodeJS, Python, FastApi, AWS Lambda, JavaScript

- **Developed scalable healthcare applications using Angular & React.**
- **Built interactive dashboards & reusable UI components, reducing manual reporting effort by 30%.**
- **Optimized frontend performance, reducing load times and improving responsiveness.**
- **Implemented AWS Lambda functions with Python to handle real-time data processing and serverless API integrations, reducing infrastructure cost by 20%.**
- **Designed automated ETL pipelines with Lambda, S3, and Python scripts for secure healthcare data handling.**
- **Mentored junior developers and participated in code reviews & Agile ceremonies.**

Key Projects:

- **Davita Healthcare Reporting Dashboard – Angular-based data visualization tool integrated with Python APIs & AWS Lambda for real-time insights.**
- **Davita Corp App – ReactJS application with Card View & Quick View features, boosting navigation efficiency with Python FAST API, Django, REST API DRF.**
- **Davita Rapid App -** Built **enterprise-grade apps** with Angular & NodeJS.

LearningMate Solutions Pvt Ltd – Lead/Senior Software Engineer
🖼 **4th Jul 2018 – 6th May 2022**
Tech Stack: Angular, ReactJS, NodeJS, Python, AWS Lambda, jQuery

- **Designed end-to-end solutions in Angular/React with NodeJS backends.**
- **Implemented offline-first architecture with data synchronization for e-learning apps.**
- **Developed AWS Lambda functions in Python for background tasks such as file processing, content sync, and automated notifications.**
- **Integrated secure APIs & optimized data handling for large-scale applications.**
- **Enhanced system scalability by adopting serverless architecture with Lambda & S3 for eBook delivery.**

Key Projects:

- **OUP16 – Angular & NodeJS Offline-first learning platform with eBook downloads, sync features, and serverless Lambda-powered file handling.**
- **E-Reader – ReactJS with NodeJs EPUB reader with highlights, annotations, and cross-platform support, integrated with Lambda for on-demand content delivery.**

- **FROST – Full-stack React & Python app with secure API integrations and AWS Lambda-based backend automation.**

UST Global (Trivandrum, Kerala) – *Senior Software Developer*

2nd Jun 2017 – 19th Feb 2018 | UID: U58190

Tech: Angular, NodeJS, ExpressJS, MongoDB, MySQL

- Built **enterprise-grade apps** with Angular & NodeJS.
- Designed REST APIs & database schemas, cutting manual reporting time by **40%**.
- Created secure visitor management & caregiver reporting systems.

Education
- **MCA (79.97%)** – DR.B.C. Roy Engineering College, Durgapur – 2011
- **B.Sc. (Hons) in Science (40.62%)** – Vidyanagar College, Calcutta University – 2007
- **XII (51.20%)** – Bakhrahut High School – 2003
- **X (65.25%)** – Aryapara High School – 2001