


MAYANK KUMAR

Gurgaon, India

📞 8433231040 ✉ mayankchauhan6365@gmail.com 🔗 <https://www.linkedin.com/in/mayank-kumar-43bb48208/>  <https://github.com/mayankchauhan007/>

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, SQL, HTML/CSS

Frameworks/Libraries: React, Next.js, Express, Node.js, Redux, Recoil, ShadCN, LLM s, Material UI, Tailwind CSS, MERN Stack,

Cloud & DevOps : AWS (EC2, CDK, Lambda, API Gateway, Cognito, CloudFront, DynamoDB, S3, CloudFormation,)

Security & Authentication : OAuth 2.0, JWT, API Key-based authentication, IAM Roles

Developer Tools: Postman, Docker, CloudWatch, GitHub, AWS, VS Code, MySQL Workbench

Database Technologies: : MongoDB, MySQL, PostgreSQL., SQL Developer, SSMS , S3, DynamoDB

Problem Solving, Data Structure and Algorithms, Agile , Microservices

Experience

SMC Global Securities — Fintech

July 2024 – Present

Member of Technical Staff | Full Stack Developer

Delhi, India

- Developed a chat **sentiment analysis platform** leveraging **AWS Bedrock (Claude 3 Haiku LLM)** to extract sentiment data from conversations.
- Architected a **scalable, multi-tenant URL Shortener** with admin dashboard using **AWS CDK, Lambda, API Gateway, CloudFront, and Cognito**.
- Built an **AI-powered Signature Verification System** using **Next.js, AWS Textract, DynamoDB, and Deep Learning (Siamese Network)** deployed on **AWS SageMaker**.
- Revamping** a Windows Forms-based **Pre-Order Service RegTech App** into a **Next.js** web app while **migrating from Oracle SQL to Microsoft SQL Server**.
- Developed an **Insurance Cross-Selling Platform** with **Next.js 14, TypeScript, AWS DynamoDB**, integrating APIs for **real-time policy calculations**.

Infosys Limited

June 2022 – July 2024

Digital Specialist Engineer | Full Stack Developer

Chandigarh, Haryana

- Engineered a scalable **railcar and container tracking system** for **Wabtec Corporation**, enhancing shipment visibility and inventory control.
- Designed and developed **RESTful APIs** using **Node.js** and **Express.js** to support real-time container tracking and logistics management.
- Implemented **Cerbos** for **decentralized RBAC and ABAC authorization** within a microservices architecture, enabling secure, policy-driven access control.
- Improved frontend performance and UX with **React.js, React Router, Axios, and Material UI**.

Projects

Chat Sentiment Analysis App | AWS Bedrock (Claude 3 Haiku), Lambda, DynamoDB, Next.js

- Developed a full Stack serverless chat sentiment analysis platform leveraging AWS Bedrock (Claude 3 Haiku) for sentiment, entity, and Satisfaction score extraction from conversations inspired from AWS Comprehend Service.
- Developed a Next.js dashboard for real-time sentiment, entity, key phrases and language analytics visualization.

AWS Serverless URL Shortener | AWS Lambda, API Gateway, Python, TypeScript, CDK

- Developed a multi-tenant, scalable URL shortening service using AWS Lambda, API Gateway, CloudFront, and Cognito.
- Implemented API key-based access, OAuth 2.0 authentication, rate limiting, and custom domain support.

Signature Verification System | Next.js, AWS Textract, DynamoDB, SageMaker

- Built an AI-powered signature verification system using AWS Textract, Next.js, and DynamoDB.
- Integrated a Siamese Neural Network model on AWS SageMaker for accurate signature matching.

Pre-Order Service Project Revamp | Next.js, TypeScript, Microsoft SQL Server

- Modernizing a Windows Forms application into a web-based Next.js app for trade order management.
- Migrating database queries from Oracle SQL to Microsoft SQL Server for improved scalability.

Insurance Cross-Selling Platform | Next.js, TypeScript, AWS DynamoDB

- Developed a cloud-native insurance sales platform integrating real-time policy calculations via third-party APIs.
- Designed a multi-step onboarding process using Next.js, TypeScript, and Tailwind CSS.

Education And Achievements/ Extracurricular

Rajkiya Engineering College, Azamgarh

Aug. 2018 – May 2022

Bachelor of Technology in Information Technology

Uttar Pradesh

* Solved 300+ Problem Solving Questions on various Platforms like **CodeChef** , **Leetcode** , **GFG** , **HackerRank** .