

RAJESH CHOUDHURY

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LinkedIn: rajesh-chowdhury-software-developer | Portfolio

SUMMARY

Full Stack Developer and Google Certified professional with over 4 years of experience specializing in AI/ML, GenAI, and Scalable Web Architecture. Expertise in building custom LLM + RAG models, Microservices, and high-performance backend systems using Python and C. Proven track record of delivering robust enterprise solutions and cross-platform mobile applications.

TECHNICAL SKILLS

Languages: C#, Python, JavaScript, SQL, Dart (Flutter), Java, Kotlin.

AI & GenAI: RAG Pipelines, Custom LLM Solutions, Vanna AI, Model Context Protocol (MCP), NLP.

Backend & Cloud: ASP.NET MVC, .NET Web API, FastAPI, Node.js, Supabase (Postgres, Auth, Vector Store).

Frontend & Mobile: React (implied), HTML5, CSS3, jQuery, Bootstrap, Flutter, Android Studio, XCode.

Concepts: Microservices, REST/SOAP APIs, Row-Level Security (RLS), Cyber Security Audit.

PROFESSIONAL EXPERIENCE

ABI HEALTH

Senior Software Engineer

Bengaluru, Karnataka
Dec 2025 – Present

- Architecting AI/ML innovation using Python, Node.js, and FastAPI to drive intelligent automation.
- Developing RAG pipelines and custom LLM solutions to enhance data retrieval accuracy.
- Implementing AI-ready backends utilizing Supabase Vector Store and Postgres embeddings with RLS-secured pipelines.
- Leading cross-platform mobile app delivery using Flutter, Android Studio, and XCode.

System Analyst

Sep 2023 – Nov 2025

- Engineered robust full-stack web applications using ASP.NET MVC (C#) and SQL/NoSQL databases.
- Designed modern authentication systems using JWT-based access and Row-Level Security (RLS) on PostgreSQL.
- Developed and maintained RESTful APIs to ensure seamless integration between microservices.
- Enhanced frontend interactivity and user experience using JavaScript, jQuery, and Bootstrap.

DIRECTORATE OF INFORMATION TECHNOLOGY, TRIPURA

Agartala, Tripura

Software Engineer

Jan 2022 – Aug 2023

- Designed and developed scalable enterprise web applications using ASP.NET MVC (C#).
- Built secure REST & SOAP APIs using .NET Web API, enabling critical government system integrations.
- Optimized SQL Server and NoSQL database queries, significantly improving speed for large-scale data handling.
- Delivered native Android applications via Android Studio to extend digital governance reach.

Web Developer

Jan 2021 – Dec 2021

- Built secured ASP.NET web applications using VB and C# for government use cases.
- Designed and managed Drupal-9 government websites, ensuring high availability and compliance.

IGNITE SOFTWARE TECHNOLOGY

Agartala, Tripura

Android Developer

Sep 2020 – Dec 2020

- Developed Android applications using Java, Kotlin, XML, and JSON with Clean Architecture principles.
- Integrated RESTful APIs and third-party SDKs for real-time data exchange.
- Published and maintained apps on Google Play Store, ensuring full policy compliance and performance optimization.

EDUCATION

Tripura University

Agartala, India

Bachelor of Technology (B.Tech), Computer Science & Engineering

Mar 2017 – Mar 2020

Gomati District Polytechnic

Tripura, India

Diploma in Engineering, Computer Science & Technology

Mar 2014 – Mar 2017