

# Aayush Kumar

Full-Stack AI Engineer

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## Profile

As a Software Engineer, I develop, maintain and scale web applications using the **MERN** stack, **AWS**, **Docker** and **Kubernetes**, while integrating **AI technologies** for enhanced functionality. I leverage machine learning models to create intelligent features and personalized experiences. My core competencies include analytical thinking, creativity, teamwork, and communication across both traditional development and AI domains.

## Professional Experience

2024 – present  
Bengaluru, India

**Full Stack Engineer**  
*Nexxio*

- Contributed to a **SaaS** product for the MSME sector, handling **Backend**, **Frontend**, and **DevOps** to design and implement business-critical features.
- Set up a **Production** server using **Docker** and **AWS ECS** for a **microservices** application and configured **auto-scaling** as per requirements.
- Developed an **AI chatbot** using advanced AI technologies such as **RAG** (Retrieval-Augmented Generation), **Groq**, and **LangChain** to deliver contextual responses and enhance user interaction through **NLP-to-SQL** query techniques.

2022 – 2024  
Bengaluru, India

**Software Engineer**  
*City Link Portal Pvt Ltd*

- Worked on applications such as **Store Quick**, **e-commerce**, **Planned Demand**, and **Tracking**.

## Projects

### Candidate Engagement AI Chatbot

*GitHub:* <https://github.com/aayushkr99/assignments-fullstack/tree/aayush-kumar-candidate-engagement-chatbot>

Designed and developed an AI-powered candidate engagement chatbot using Node.js, and LLM APIs to deliver context-aware job insights and extract candidate data conversationally. Implemented dynamic profile generation by parsing natural dialogue, maintaining multi-turn context, and structuring insights without traditional form inputs.

### Markdown Editor

*GITHUB :* <https://github.com/aayushkr99/markdown-editor.git>

Developed a responsive web application that allows users to write and edit Markdown content with instant preview capabilities.

## Skills

### Backend / Frontend

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Python, JavaScript, Node Js, Redis, Mysql, Mongo DB, TypeScript, React Js, DSA, System Design

### Cloud / Devops

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Linux, Docker, Kubernetes, AWS, ECS, EKS, Azure, CI/CD, SQS, SNS, Route 53, S3, Cloud Front

### AI

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Retrieval-Augmented Generation (RAG), Embedding Models, ChatGPT, LangChain, VectorDB Agentic AI, Groq

## Certificates

**Backend Development Training** (Designed, implemented, and developed backend applications such as Blogging Site, Book Management System, Social Media and Shopping Cart.)

## Education

2017 – 2021  
Punjab, India

**Btech**  
*SVIET*

GRADE : 86 %

2017  
Ranchi, India

**12th CBSE**  
*DAV Kapildev Public School*

GRADE : 85 %