

MAYANK GUPTA

☎ +91-9953338507 ✉ mayankgupta2424@gmail.com [in linkedin.com/in/mayank-g-a9182b12b](https://www.linkedin.com/in/mayank-g-a9182b12b) github.com/mayank2424

Education

Bharati Vidyapeeth Deemed University

Bachelor of Technology

Jun 2020

Pune, India

Experience

Crowdlinker

November 2021 – Present

Senior Software Engineer

Remote - Toronto, Canada

- Designed and implemented an OCR-based document intelligence pipeline using Docling OCR and PaddleOCR to process large manufacturing drawings, integrating LLMs for structured product extraction and intelligent quoting workflows.
- Developed a real-time computer vision pipeline using YOLO models to detect and classify components in engineering drawings, implementing custom section mapping to improve interpretation accuracy and automation.
- Led backend development of Ligo, a music collaboration platform, architecting scalable microservices using Elasticsearch and PostgreSQL to support 100K+ users with efficient matching and search capabilities.
- Built the audio transcription and intelligent documentation layer for Pippen.ai (Healthcare platform), enabling structured clinical note generation and workflow automation.
- Led backend re-architecture of the Kiaora healthcare platform, designing the core workflow engine to streamline user journeys and improve system stability.
- Developed an internal evaluation framework to measure LLM performance using an F1-score based comparison mechanism, benchmarking models including Claude Sonnet, Llama, GPT, and Gemini for production readiness.
- Optimized AWS infrastructure (Lambda, SQS, ECS) and serverless architecture to improve deployment speed and reduce operational overhead.

Technical Consultant - Grorapid Labs

January 2022 - Present

Senior Technical Lead - Full Stack

- Led backend architecture and distributed system design for healthcare and SaaS platforms using TypeScript, NodeJS, MongoDB, Redis, Elasticsearch, Kafka, and AWS.
- Built end-to-end sales procurement and transportation management systems to automate operational workflows.
- Designed and developed an automated email warmup system using headless browser automation and API-based workflows to improve Gmail account reputation, enabling fully automated reply handling and progressive warmup cycles.

Camp K12

January 2020 - January 2022

Full-Stack Software Engineer

Gurgaon, India

- Built a global auditing microservice centralizing logs across distributed services using NodeJS, TypeScript, Docker, and NoSQL databases.
- Developed an internal CRM tool integrating third-party analytics systems for enhanced reporting and user analysis.
- Designed and deployed a bulk communication service handling up to 50K email deliveries per campaign using RabbitMQ and MongoDB.

Cutshort

November 2019 - April 2020

Full-Stack Developer

Pune, India

- Developed analytics and sharing features to improve user engagement using AngularJS, MongoDB, and NodeJS.
- Optimized job search functionality and implemented lazy loading, reducing search page load time by 40%.

Projects

Buydesk - Sales Procurement Software | NestJS, TypeScript, PostgreSQL, Elasticsearch, AWS SQS

- Built the backend system to automate procurement workflows, bookings, and payment integrations using scalable microservice architecture.

Rehustle - Content Sharing Platform | NodeJS, TypeScript, MongoDB, RabbitMQ, AWS

- Engineered a scalable backend platform supporting content sharing and payment processing for thousands of users.

Automated Email Warmup Tool | NodeJS, TypeScript, Puppeteer, Elasticsearch, MongoDB

- Developed an automation system simulating human-like email interactions, improving email deliverability by up to 25%.
- Built analytics and scheduling modules to monitor engagement metrics and optimize sending patterns.

Open Source Contributions

Built and maintained an MCP server for Harvest time tracking to automate task and time log synchronization.
github.com/mayank2424/mcp-server-harvest

Contributed to the official Shortcut MCP server repository to improve integration reliability and task automation workflows.
github.com/useshortcut/mcp-server-shortcut

Technical Skills

Languages: NodeJS, TypeScript, Python, JavaScript, PHP

Databases: PostgreSQL, MongoDB, MySQL, ElasticSearch, Redis

Frameworks: NestJS, ExpressJS, ReactJS, VueJS, Laravel

Cloud & DevOps: AWS (Lambda, ECS, SQS), Serverless Architecture, Docker, CI/CD, GitHub Actions

Automation & AI Integration: OCR Pipelines (PaddleOCR, Docling), Computer Vision (YOLO), LLM Integrations, MCP Server Development