

Mohan Kumar A

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GitHub | LinkedIn | Personal Portfolio

EDUCATION

B.E. ELECTRONICS AND COMMUNICATIONS ENGINEERING

AUGUST 2017 – AUGUST 2021

- Global Academy of Technology, Bangalore – **8.28/10 CPGA**

PROFESSIONAL EXPERIENCE

SENIOR CONSULTANT | JK TECH

APRIL 2024 - CURRENT

- Developing **optimized, scalable, modular code** for a **web application**, resulting in a **20%** reduction in bug reports, improving overall user experience, and **easy-to-debug** functionality.
- Collaborated with third-party technology services, offering strategic insights to ensure smooth integrations.
- Balancing both **frontend** and **backend** tasks while **mentoring** and **guiding** junior team members, accelerating faster project delivery timelines by **40%**.

CONSULTANT | JK TECH

SEPTEMBER 2022 – MARCH 2024

- Integrated **seven innovative features**, elevating the application's **user-friendliness** to new heights.
- Implemented **batch processing techniques** and **caching strategies** that resulted in an impressive **70% boost in application efficiency** and **response times**, **significantly reducing database queries** and **server load** while enhancing the overall user experience.
- Successfully analysed and tackled high-priority issues by resolving **five critical bugs**.
- Took ownership of the end-to-end process, including design, development, maintenance, and documentation, for **eleven REST APIs**.
- Crafted **complex SQL queries**, **optimized database performance**, and adeptly managed **data migration**, **backup**, and **restoration** processes, resulting in a **10% improvement** in overall **database efficiency**.
- Extensively employed the **JEST Framework** to create over **350+ unit tests**, validating user interfaces, backend processes, connectivity, and interactions with relational databases.
- Throughout **ten quarters** utilized **agile methodology** to meet project milestones effectively.

ASSOCIATE CONSULTANT | JK TECH

AUGUST 2021 - AUGUST 2022

- Underwent comprehensive training in a wide range of technologies and illustrated the acquired knowledge by developing **two small applications**.
- Engaged in a **FinTech** project for an international client, collaborating with **five cross-functional teams**.
- Under the supervision of senior team members, we **resolved more than three technical issues** by analysing and providing **feasible** and **optimum** solutions.
- Contributed to creating **two proofs-of-concepts (POCs)** that significantly improved the system's performance and user interface.

SKILLS

Languages:	TypeScript, JavaScript, HTML, CSS, Python, Java, C#, SQL, HashiCorp Configuration Language, Shell scripting
Tools:	Docker, Kubernetes, Git, Postman, RabbitMQ, Kibana
Frameworks:	Node.js, Nest.js, Express.js, Flask, Spring, ASP.NET, Angular
Cloud Platforms:	AWS, Google Cloud
Databases:	Postgres, MySQL, MongoDB, Redis
Soft Skills:	Leadership, Strategic Thinking, Teamwork, Effective Communication
Concepts:	OOPs, Microservices, Multithreading, Event Oriented Architecture, Domain Driven Design, DOM, REST
Exploring:	Blockchain Development, System Architecture, GraphQL, React.js, Apollo, Next.js

CERTIFICATIONS

- Google Cloud Certified Professional Cloud Developer – **Google Cloud**
- Career Essentials in Generative AI by Microsoft and LinkedIn - **LinkedIn Learning**
- IBM Data Science Professional Certificate – **Coursera**
- Java Full-Stack Course – **Pentagon Space**
- AWS Essentials – **A Cloud Guru**
- NodeJS - The Complete Guide – **Udemy**
- NestJS Fundamentals – **Official NestJS Course**

PERSONAL PROJECTS

Personal Portfolio | [Link](#)

React, Next.js, Tailwind CSS, Motion Framer

Crafted a personal portfolio project using **modern frontend technologies**, focusing on delivering an **exceptional user experience**. With a **responsive design**, ensuring compatibility across various devices, offering seamless navigation, and showcasing my work effectively.

Currency Exchange Application | [Link](#)

Node.js, Angular, Material UI

Developed a **web application** featuring core functionalities such as **retrieving conversion rates** and **generating historical graphs** for specified currencies.

Library Management System - Backend Implementation | [Link](#)

Node.js, Express.js, MongoDB

Pioneered a **microservices-based backend architecture** for a web application, encompassing **user authentication, authorization, CRUD operations** on a **NoSQL database**, as well as **search** and **favorite addition** features, all managed by dedicated services.

Hand Gesture Recognition Using CNN

Python, Keras, Open CV

A simple hand gesture recognition model leverages **convolutional neural networks** to process snapshots, enabling seamless communication through sign language.

HONORS & AWARDS

- **Thank You Award** - Honoured for outstanding dedication and performance in serving the organization.
- **Note of Appreciation** - Recognized for balancing project demands and dedication to the Professional Cloud Developer Certification.