

## SUMMARY

Infra Developer & Full-Stack Engineer specializing in Cloud, DevOps, and Full-Stack Development. Passionate about system optimization and building scalable solutions A tech blogger sharing insights on infrastructure, experiences, and lessons learned. Currently exploring **Generative AI** to build real-world applications.

## WORK EXPERIENCE

### Full Stack Developer | Klenty | March 2022 – Present

- Automated code reviews by developing a PR review agent, reducing manual effort and improving code quality.
- Collaborated with DevOps to migrate from Heroku to Kubernetes, implementing health probes and a zero-downtime deployment strategy to minimize disruptions while optimizing pod communication using internal domains to enhance security and reduce latency.
- Optimized frontend build times by implementing a workaround, improving development speed by 80%.
- Architected and scaled a new product from the ground up, ensuring system reliability and high performance as traffic grew.

### Tech Blogger | Dev.to, Medium, Personal Blog | 2024 – Present

- Shared insights on debugging, infrastructure challenges, and automation through blogs and technical content.
- Created a **Sherlock Holmes-inspired debugging series**, making technical issues engaging.

### MERN Stack Developer | ChefAtHome FoodTech LLP | March 2021 – September 2021

- Strengthened platform security by addressing vulnerabilities, increasing security robustness by 80%.
- Refined database queries, decreasing response times by 45%.
- Ensured ACID compliance for critical transactions, safeguarding data integrity.

## PROJECTS

- CallCoach – AI-Powered Sales Call Analyzer**
  - Developed an AI-driven coaching tool to transcribe and analyze sales calls for real-time feedback.
  - Showcased at the AssemblyAI Hackathon, highlighting AI-driven business enablement.
- Call Agent – AI-Powered Automated Calling**
  - Developed an AI-powered voice bot using Twilio & Eleven Labs, automating customer interactions and reducing manual effort.
- RAG – Retrieval-Augmented Generation**
  - Developed a UI application showcasing RAG model capabilities for the Dev.to Hackathon (PGVector Challenge).
  - Implemented chat interactions with website content, files, and Dev.to articles.
  - Added customizable text chunking and PGVector with PostgreSQL for optimized data retrieval.
- PlaceStro – MERN Community Platform**
  - Developed a community platform for students to share interview experiences and company insights, fostering peer learning.
  - Helped my college students gain real-world hiring process knowledge, enhancing their career preparedness and job search confidence.

## SKILLS

- Programming Languages:** MERN Stack, Python, Java, C, C++
- Databases & Message Queues:** MongoDB, Meilisearch, Elasticsearch, RabbitMQ
- Tools & Platforms:** Docker, Kubernetes, Azure, AWS
- Generative AI & Machine Learning:** LLMs, LangChain, OpenAI API, Vector Databases, Fine-tuning, RAG

## ACHIEVEMENTS

- Culture Champion (Klenty)** - Recognized for fostering a high-performing team.
- Star of the Month (ChefAtHome)** - Awarded for outstanding performance during the internship.
- Hacktoberfest 2020** - Successfully contributed to open-source projects in an event by DigitalOcean.
- 1st Place - Tech Fest Quiz (2019)** - VV College of Engineering.
- 1st Place - Code Debugging (2018)** - Einstein College of Engineering.
- 1st Place - TechTonic (2019)** - National Engineering College.
- 3rd Place - KIT Hackathon (2019)** - Kalasalingam Institute of Technology.

## EDUCATION

### Computer Science Engineering | CGPA: 8.2 (2018–2022)

Einstein College of Engineering, Tirunelveli, Tamil Nadu