

Mihir Deshpande

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SKILLS

Programming Languages: Clojure, Java, C++, Python, JavaScript

Database Technologies: MongoDB, PostgreSQL, Apache Kafka, Redis, Elasticsearch, YugabyteDB

Monitoring and Logging: Grafana, Kibana

Libraries and Frameworks: Ring, Compojure, Jetty, Spring Boot, Node.js

Tools and Platforms: Emacs, TMux, Docker, Jenkins, Git, Gerrit

Competencies : Functional Programming, Distributed Systems, DSA, Communication, Documentation

WORK EXPERIENCE

Software Engineer

HelpShift

Mar '23 - Present

- Designed, developed, and maintained Backend Services using **Clojure** for a high-traffic, Consumer first, SaaS Platform handling millions of requests per day
- Implemented a robust and scalable architecture for a third party **LLM Integration** into a Chatbot service by leveraging **Apache Kafka** and **Redis**, to ensure high performance, Fault Tolerance and reliability
- Conducted thorough analysis and **refactored existing microservices** and improved maintainability, scalability and reduced the system latency by **50%** by using **Clojure workers**, **optimizing Queries** and employing **Caching techniques**
- Collaborated with product managers to understand user requirements and translated them into **Dev Specs**, developing new features that align with business goals
- Participated in **on-call rotations** and responded to incidents promptly, diagnosing and resolving issues to **minimize downtime**
- **Mentored new engineers**, guiding best practices, code reviews, and troubleshooting techniques to facilitate their professional growth and development

Software Engineer

miniOrange

Aug '21 - Feb '23

- Worked on developing cloud and on-premise-based **Identity and Access management** plugin solutions focusing on **Single Sign-on**, **API security**, and **Multifactor authentication** with Protocols namely as **SAML** and **OAuth/OIDC** using **Spring Boot** and **Hybernate ORM** For **Atlassian** Platforms
- Led a team of 4 engineers focusing on API authentication module, planned sprints, conducted stand-ups, and ensured timely releases.

EDUCATION

Pune Institute of Computer Technology

BE Electronics and Telecommunication — CGPA: 9.15/10

Pune, Maharashtra, India

Aug '17 - May '21

PUBLICATIONS

- [IEEE] 3D Modelling using Sequential and Convolutional Generative Adversarial Networks [Link](#)

PROJECTS

- **clj-deepwalk** A lightweight implementation of the **DeepWalk** algorithm for graph embedding in Clojure. [Source](#)
- **IP Addressed based location tracking** using **React.js** [Source](#)

EXTRACURRICULAR ACTIVITIES

- **Sitar Player** : Teaching and Performing Indian Classical Music on Sitar [\[Spotify\]](#) [\[YouTube\]](#)