

# SWAPNIL MATKATTE

## FULL STACK DEVELOPER (MERN STACK)

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## PROFESSIONAL SUMMARY

**Full Stack Developer** with **2.5+ years** of **experience** delivering high-performance, enterprise-grade **MERN** applications. Skilled in optimizing application performance through scalable **RESTful API** architecture and **migrating legacy systems** to **modern MERN**. Proficient in implementing secure **JWT/OAuth** authentication flows to build robust, scalable software.

## TECHNICAL SKILLS

**Frontend Technologies:** HTML, CSS, React.js, Redux, Context API, JavaScript, Bootstrap, Tailwind

**Backend & Databases:** Node.js, Express.js, RESTful APIs, Microservices, MongoDB, MySQL, Firebase, Redis

**Programming Languages & CS Fundamentals:** Java, C, Data Structures & Algorithms

**Development Tools & Methodologies:** Socket.io, JWT, Payment Gateways, GraphQL, Agile/Scrum, Git, GitHub

## EXPERIENCE

### Full Stack Developer

Mar 2023 - Present

**Virtusky IT Solutions, Pune**

- Led the development and migration of **5+** enterprise **MERN** applications to support **10,000+** concurrent users, achieving a **30%** boost in system efficiency, **65%** reduction in load times, and **80%** improvement in code maintainability by leveraging Redux and the Context API
- Architected secure **RESTful APIs** in a cross-functional Agile team, achieving a **75% reduction** in response time while handling core services like **JWT/OAuth** and payment integrations.

### Software Engineer Intern (Internship)

Sept 2022 - Feb 2023

**SmartGrains, Bangalore**

- Built responsive user interfaces using **React**, enhancing overall front-end performance by **25%** and cutting component renders by **40%** through strategic state management with **Redux** and the **Context API**.
- Enhanced backend performance by **35%** by writing highly optimized **MongoDB** and **MySQL** queries and designing efficient data schemas for **RESTful APIs**.

## PROJECTS

### Real Estate Platform Migration & Modernization – Client Project

**React.js, Redux Toolkit, Node.js, Express.js, MongoDB, AWS (EC2, S3, CloudFront), Socket.io**

- Migrated of **5,000+** listings to a modern MERN stack achieving **zero data loss**, boosting load times by **65%**, user engagement by **35%** and reduced the bounce rate by **50%** with a dynamic React/Redux UI featuring **Google Maps** integration and real-time chat via **Socket.io**.
- Deployed scalable **microservices** backend on **AWS** (EC2, S3), achieving **99%** uptime. Implemented a full **CI/CD pipeline** that automated deployments and improved search engine visibility (**SEO**)

### Multi-Vendor E-Commerce Platform – Client Project

**React.js, Redux Toolkit, Node.js, Express.js, MongoDB, Microservices, Payment Integration, AWS**

- Architected a multi-vendor marketplace for **10,000+** users, utilizing a **microservices** backend and a React frontend with **Redux & Context API**, boosting scalability by **200%** and cutting API response times by **60%** (to 320ms) with **Redis caching** and **MongoDB** optimization while **boosting page load speed by 40%**, to achieve a **95+** Lighthouse score.
- Boosted system scalability by **200%** by designing a **modular architecture** with dedicated microservices for authentication, payments, and notifications. Secured the system with **JWT 2FA, RBAC, and AES-256 encryption**, in compliance with **OWASP** standards.

## EDUCATION

**MVJ College of Engineering, Bangalore**

Aug 2018 – Sept 2022

**CGPA: 7.2/10** [Information Science & Engineering, VTU]

**GURUNANAK IND PUC, Bidar**

June 2017 – Mar 2018

**PERCENTAGE: 87%** [PUC 2<sup>nd</sup>, Karnataka PUC Board]

**GURUNANAK PUBLIC SCHOOL, Bidar**

June 2015 – Mar 2016

**CGPA: 9.6/10** [10<sup>th</sup>, CBSE Board]