

SWAPNIL MATKATTE

Full Stack Developer | MERN Stack Specialist

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PROFESSIONAL SUMMARY

Full Stack Developer with 2.5+ years of proven expertise in building enterprise-grade web applications using MERN stack with advanced state management solutions. Specialized in performance optimization and Agile development methodologies. Successfully led legacy system migrations to modern React architecture with Redux state management, designed scalable RESTful APIs, and implemented secure JWT/OAuth authentication systems. Demonstrated leadership in cross-functional teams with strong problem-solving skills and commitment to delivering high-quality software solutions.

TECHNICAL SKILLS

Frontend Technologies: HTML5, CSS3, React.js, JavaScript ES6+, Bootstrap, Tailwind
State Management: Redux Toolkit, Redux Thunk, React Context API, Local State Management
Backend Technologies: Node.js, Express.js, RESTful APIs, Microservices Architecture, Server-side Rendering
Databases: MongoDB, MySQL, Firebase, Redis, Database Optimization, Indexing
Security & Authentication: JWT, OAuth, OWASP Compliance, AES-256 Encryption, Two-Factor Authentication
Programming Languages: Java, C, C++, Data Structures & Algorithms
Development Tools: Socket.io, Payment Gateways, GraphQL, Agile/Scrum, Git, GitHub

EXPERIENCE

Full Stack Developer Nov 2022 - Present
Virtusky IT Solutions, Pune

- Led architecture and development of 5+ enterprise-grade MERN applications with scalable Redux state management, supporting 10,000+ concurrent users and improving system efficiency by 30%.
- Engineered optimized full-stack solutions including RESTful APIs with caching, JWT/OAuth authentication, and secure payment integrations (Stripe, PayPal), reducing API response time by 75% and ensuring OWASP compliance.
- Drove legacy migrations achieving 65% faster load times, improved code maintainability by 80% through Redux, and collaborated in Agile teams with strong cross-functional communication and leadership.

Software Engineering Intern Jan 2022 – July 2022
SmartGrains, Bangalore

- Quickly ramped up on React.js, Redux, and RESTful APIs to build responsive web features, contributing to a 25% improvement in frontend performance.
- Learned and applied efficient state management using React Context API, helping reduce component re-renders and improving dashboard load time by 40%.
- Enhanced understanding of backend data operations by writing optimized MongoDB/MySQL queries, achieving 35% faster data retrieval in real-world use cases.

PROJECTS

Real Estate Platform Migration & Modernization
React.js, Redux Toolkit, Node.js, Express.js, MongoDB, AWS (EC2, S3, CloudFront), Socket.io

- Led digital transformation of a legacy real estate platform, migrating 5,000+ listings to a modern MERN stack with Redux, achieving zero data loss and 65% faster load times.
- Built responsive React.js frontend with Redux for complex state management, Google Maps and real-time chat via Socket.io, boosting user engagement by 35% and reducing bounce rate by 50%.
- Deployed scalable microservices with RESTful APIs, CI/CD automation, and containerized architecture on AWS (EC2, S3, CloudFront), improving SEO and system reliability.

Enterprise Banking Dashboard Optimization
React.js, Redux, Node.js, Express.js, MongoDB, Redis, GraphQL, Security Compliance

- Developed enterprise-grade banking dashboard serving 10,000+ concurrent users with real-time transaction monitoring and fraud detection capabilities
- Implemented comprehensive security measures including two-factor authentication, AES-256 encryption, and OWASP compliance, reducing security vulnerabilities by 90%.
- Improved performance with Redis caching and optimized DB queries, cutting page load time by 40% and form errors by 30%.

Scalable Multi-Vendor E-Commerce Platform
React.js, Redux Toolkit, Node.js, Express.js, MongoDB, Microservices, Payment Integration, AWS

- Built full-featured multi-vendor marketplace with Redux for global state and Context API for component-level state, handling 500+ products and 1000+ users with advanced search and inventory management.
- Implemented microservices for auth, payments, and notifications, boosting system scalability by 200% and ensuring modular deployment.
- Integrated multiple payment gateways (Stripe, PayPal, Razorpay) with split payment functionality and achieved 95+ Lighthouse performance score

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 2nd, Karnataka PUC Board]

GURUNANAK PUBLIC SCHOOL, Bidar June 2015 – Mar 2016
CGPA: 9.6/10 [10th, CBSC Board]