

# SURAJ MS

+91 7259116344 ◇ Bangalore, India ◇ (Portfolio)

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## SKILL SET

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<b>Programming Languages:</b>	JavaScript, TypeScript, Java, Python
<b>Front End</b>	HTML, CSS, React.js/Angular, React Native, Next.js
<b>Back End</b>	Node.js, Express JS, Django
<b>Database</b>	Sql - MySql, NoSql - MongoDB
<b>Technologies</b>	AWS, Docker, Git, Google Maps, Gemini Integration (AI)
<b>Software Engineering Principles:</b>	Data Structures and Algorithms, System Design, DevOps

## EXPERIENCE

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**System Engineer - Tata Consultancy Services (TCS)** February 2023 - December 2024  
**Full stack Developer** *Bangalore, India*

- Engineered exclusive REST API endpoints using Node.js, Express, and MongoDB to streamline and secure data transfer between client and server, achieving 98% accuracy in data handling.
- Integrated payment APIs for a seamless payment system with up to 99% transaction success rate.
- Implemented advanced data encryption and secure authentication, reducing vulnerabilities by 90%.
- Leveraged React to create highly responsive and interactive web designs, resulting in a 25% increase in user engagement
- Employed DevOps practices, automating deployments, monitoring systems, and ensuring continuous integration and delivery, reducing deployment time by 40%.
- Created automated unit and integration tests, reducing bugs by 30% and enhancing application reliability through continuous quality assurance.

**Back End Developer** August 2021 - February 2023

- Built and optimized high-performance RESTful and GraphQL APIs, driving a significant 25% surge in website traffic and conversion rates
- Revamped system security by implementing exclusive JWT and OAuth authentication protocols with advanced encryption, effectively safeguarding over 95% of user data.
- Conducted data analysis and optimization, achieving a 99% improvement in data accuracy using Python libraries like NumPy, Pandas, and Matplotlib for enhanced visualization and interpretation.
- Performed rigorous unit testing and debugging, ensuring superior code quality and user experience, which led to a 30% reduction in bug reports.
- Achieved 99.9% uptime by deploying applications in AWS using Docker and Kubernetes, ensuring smooth operation in production environments.

**Freelancer – Founder, Product Designer & Developer**( <http://shivajicreations.shop/> )

- Developed and designed a client and employee management platform single-handedly, achieving 100% automation of onboarding, tracking, and workflows to enhance operational efficiency.
- Directed the full-cycle architectural strategy of the application, leveraging the MERN stack to ensure scalability, performance, and seamless user experiences across multiple platforms by supporting over 10000+ customers
- Deployed and managed a highly scalable tool, incorporating robust security measures and ensuring 100% uptime.
- Tools:** Node js, Express js, Mongo db React js.

## EDUCATION

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**Bachelor of Engineering**, Vidya Vardhaka College of Engineering  
2017 - 2021

## CERTIFICATIONS AND ACHIEVEMENTS

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- The Complete 2024 Web Development Bootcamp** - Udemy, 2024
- The Complete Data Structures and Algorithms Course in Python** - Udemy, 2024
- [NEW] Ultimate AWS Certified Cloud Practitioner CLF-C02** - Udemy, 2024