SREEHARI SOMAN

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―――――――― PROFESSIONAL SUMMARY ――――――――

With over five years of experience as a Full Stack Developer, I specialize in building high-performance web applications using the MERN stack, React, Python, Node.js, and AWS. I have expertise in developing FinTech applications that enhances financial transaction efficiency through innovative UI/UX design. I hold a Master's degree in Computer Science from Anglia Ruskin University, with a focus on advanced web solutions and web security. I am passionate about solving complex problems and driving innovation through technology.

―――――――― WORK HISTORY ――――――――

Data Engineering Intern, Date: January 2024 – April
Commercial Evaluations Ltd – Chelmsford, United Kingdom
- Developed a user-friendly web application for a Biography Writing tool as part of my dissertation project, incorporating interactive and engaging user experiences.
- Implemented efficient data pipelines and ETL processes to support the web application, ensuring seamless data integration and transformation, resulting in a 30% improvement in data processing efficiency.
- Applied expertise in data cleaning and pattern analysis to enhance application performance, contributing to a 25% reduction in data retrieval times.
- Collaborated with cross-functional teams to deliver high-quality, scalable web solutions that meet user needs.
- **Outcome:** Successfully developed an application for Mapolitical, which automated the biography writing process, reducing the need for manual input by 70%. (Application Link)

L2 Software Engineer, Date: January 2022 – November 2022
HubSpire Technology Solutions Pvt Ltd – Kerala, India
- Specialized in backend development, utilizing Node.js, GraphQL, Express.js, LoopBack 4, Jest, and AWS to build robust and scalable solutions.
- Developed dynamic applications using Express and GraphQL frameworks, ensuring high performance, seamless integration, and efficient microservices architecture, which increased performance by 35%.

  Collaborated in a team environment, contributing to continuous integration and deployment pipelines, and maintaining high code quality standards.
- Played a pivotal role in the integration of microservices and serverless architecture, optimizing application scalability and performance. Implemented infrastructure as code using Terraform.
- Implemented comprehensive testing frameworks using Jest to ensure the reliability and functionality of applications, enhancing test coverage by 30%.
- **Outcome:** Successfully developed a daily use interaction application for Northeastern University students, The application improved user engagement by 50% and streamlined daily interactions by 40%. (Application Link). Developed the Mentor Hub platform, integrating advanced technologies to support student success and mental wellness.

Full Stack Developer, Date: June 2019 – December 2021
Reubro International – Kerala, India
- Spearheaded the development of a FinTech Hybrid Application called Ensoure using React and React Native, focusing on an intuitive user interface and seamless financial transactions for banking agents to collect EMIs, manage leads, handle payment collections, oversee customer management, and track loan disbursements.
- Implemented socket programming for real-time communication and updates, significantly improving user engagement.

- Managed both SQL and NoSQL databases, including MongoDB, ensuring versatile data storage and retrieval capabilities.
- **Outcome:** Successfully delivered a FinTech application that increased user engagement by 40% and improved financial transaction processing efficiency by 30%.

Junior Software Engineer, Date: March 2018 – May 2019
LifeTree Agro Pvt Ltd – Kerala, India
- Utilized the MERN Stack (React.js, MongoDB, Node.js, Express.js) for building and enhancing e-commerce platforms, resulting in a 25% increase in user engagement and a 20% reduction in bounce rates.
- Developed internal ERP applications using Express.js with MySQL, which streamlined business operations and improved data management efficiency by 30%.
- Assisted in integrating third-party APIs and payment gateways to enhance functionality and user experience in e-commerce applications.
- Collaborated with cross-functional teams to deliver high-quality, scalable solutions, ensuring timely project completion and adherence to coding standards.
- **Outcome:** Delivered e-commerce and ERP solutions that improved user experience and operational efficiency. Gained expertise in managing multiple payment gateways and third-party API integrations from a centralized admin panel. (Application Link)

EDUCATION

Master of Science: Computer Science,
- **Institution:** Anglia Ruskin University (ARU), Cambridge, United Kingdom
- **Date:** September 2022 - March 2024
- **Details**: - Focusing on modules including Advanced Web Solutions, Semantic Data Technologies, Web Application Security, Principles of Data Mining and Machine Learning- Engaged in a comprehensive project involving the development of a Biography Writing tool using Machine Learning, NLP Models and user interface using MERN stack.

Bachelor of Science: Computer Science and Engineering,
- **Institution:** Anna University, Chennai, India
- **Date:** June 2014 - March 2018
- **Details**: - Affiliated with Anna University, providing a solid foundation in computer science and engineering. Focusing on modules including Programming and Data Structures, Database Management Systems, Computer Architecture, Operating Systems, Design and Analysis of Algorithms, Software Engineering, Object Oriented Analysis and Design, Internet Programming - Participated in various technology workshops and trainings.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python
- **Frontend Technologies:** React, Redux, Context, HTML, CSS, Ajax
- **Backend Technologies / Frameworks:** Node.js, Express.js, GraphQL, Django, LoopBack 4, Jest, Web Sockets, Redis, REST
- **Databases:** SQL, MongoDB, PostgreSQL, DynamoDb
- **AWS Services:** Lambda, Elastic Search, SNS, SQS, S3 Bucket
- **Other Technologies / Tools:** Git, Bitbucket, Docker, Kubernetes, Jenkins, Cloudflare, Firebase, Postman

TRAINING & CERTIFICATIONS

- Data Structures & Algorithms Using C++ - Edx
- Data Structure & Algorithm C++ - Udemy
- Python Programming - IPSR solutions, India