HANI SARAVANAN

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TECHNICAL SKILLS

Programming:	Java, C++, JavaScript, TypeScript, HTML, PHP, CSS Lisp, Python (beginner), Bash
Framework:	AngularJS, ReactJS, NodeJS, ExpressJS, MongoDB, Angular Material, Bootstrap, React Query, Shadcn
Database:	Microsoft SQL Server, SQLite, MySQL, PostgreSQL, MongoDB
Cloud:	Microsoft Azure, AWS S3
Big Data Technologies:	Apache Spark, Hadoop, Supervised learning, Clustering and Recommendation Systems
Others:	Docker, Tailwind CSS (Frontend Design), Appwrite (BaaS)

EXPERIENCE

Senior Systems Engineer, Infosys Limited, Bangalore, India *May 2020 – August 2022*

- Awarded a certificate of appreciation for outstanding performance and exceptional teamwork skills, ranking #1 in a team of 10 developers on Project
- Expertly designed and integrated responsive user interfaces using **Angular** with backend systems in **Node.js** and **Express**, delivering full-stack solutions for Infosys clients
- Enhanced application performance by optimizing **MongoDB** schemas and integrating intelligent search with Elasticsearch, resulting in a 35% increase
- Worked directly with five clients to develop custom features, such as an Angular-driven real-time data visualization dashboard, improving decision-making efficiency by 20%
- Managed end-to-end application deployment with a focus on scalability, reliability, and security, and restructured the codebase to cut load times by 9%, boosting efficiency and aligning with enterprise standards

Web Developer Intern, Infosys Limited, Bangalore, India *September 2019 - April 2020*

- Implemented an end-to-end **MERN stack** application by applying **agile** principles, resulting in a 30% faster project delivery and improved team adaptability
- Bulit web server using Node.js, configured Middleware in Express application and connected to MongoDB Database using Mongoose, improving server response by 28%
- Designed the front-end with ReactJS, utilizing components, state management, hooks, and React Router for dynamic page rendering
- Re-engineered the front-end architecture using ReactJS, which led to a 50% increase in user engagement and contributed to an 11% rise in revenue
- Developed comprehensive test coverage for new ReactJS features, achieving a 40% reduction in customer complaints

ACADEMIC PROJECTS

Concordia University *Montreal, QC*
PhotoPhoria: Social Media Platform | **Project link** *2024*

- Developed PhotoPhoria, a social media platform with a focus on enhancing user interaction through post creation and exploration, utilizing including **React.js**, **Appwrite** and **React Query** for a seamless, intuitive user experience
- Achieved a 40% reduction in development time compared to similar projects through efficient utilization of React Query for data management
- Utilized Tailwind CSS for its utility-first design approach and Shadcn for flexible UI components, reducing development overhead by 25% compared to traditional CSS frameworks, resulting in an exceptionally responsive and visually stunning application

Career Services Application Platform | **Project link** *2023*

- Implemented reliable Career Services Platform using **Flask** and **AWS RDS**, with deployment on **AWS EC2** and containerization via **Docker**
- Implemented **RESTful API**, job search functionality, application tracking, and resume management features, ensuring a clear user experience and optimized the job search algorithm enhancing the search efficiency by 16%, and processing over 10,000 job listings
- Leveraged GitHub for version control, **Pytest** for testing, and facilitated CI/CD pipelines, executing over 500 automated test cases and reducing deployment time by 30%

Concordia Travel Web Application | **Project link** *2023*

- Developed user-centric travel booking platform with **Spring Boot** and **MySQL**, deployed on Heroku, providing custom itinerary planning and package booking
- Deployed front-end using Angular 16 on Netlify, ensuring an intuitive user experience with **HTML** and **CSS** for responsive design
- Engineered maintainable code in **Java** and **TypeScript**, ensuring reliable backend functionality and seamless data management for travel services, with over 26 interactive components

Connecticut - Education Directory Management | **Project link** *2022*

- Engineered API server using **Spring Boot** to manage Connecticut's educational directory, adhering to Controller-Service-Repository patterns and OOP principles, resulting in the creation of 11 distinct endpoints for efficient data retrieval and management
- Constructed secure, parameterized queries and integration testing with **JUnit 5** and **Spring Boot Tests**
- Applied Singleton and Factory design patterns and conducted refactoring processes to enhance code maintainability, resulting in a 30% reduction in code complexity and improved readability

EDUCATION

Concordia University, Montreal, QC *September 2022 - April 2024 (Expected)*
Master in Engineering- Software Engineering
SRM Institute of Science and Technology, Chennai, India *July 2016 - May 2020*
Bachelor of Technology– Computer Science and Engineering