GIRIDHARAN PARAMASIVAM

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SUMMARY

Dynamic Full-Stack Developer with over 2 years of hands-on experience in React.js, Node.js, TypeScript,. Skilled in developing scalable, high-performance web applications and delivering impactful user experiences.

SKILLS

- Programming Languages: JavaScript, React.js, TypeScript, C#, Node.js, HTML5, CSS3
- Frameworks & Libraries: .NET Core, .NET Framework, Express.js, jQuery, React, Redux, Next.js, Spring Boot, Hibernate, Spring JPA, Spring security
- Databases: Microsoft SQL Server, MongoDB, MySQL, GraphQL
- DevOps & Tools: Docker, Jenkins, Git, Visual Studio, Azure DevOps
- Others: Responsive Design, UX/UI best practices, Material-UI, Agile, Scrum, MVC, Microservices
- IELTS Score: 8 (Excellent communication skills), Team Collaboration, Multitasking, Time Management

WORK EXPERIENCE

Associate Full Stack Developer   **TamilNadu, India**
Virtusa Consulting Pvt Ltd.,   Client: Standard chartered Bank   **Nov 2021 - Mar2023**

- Designed and implemented modular, high-performance React.js applications using Redux for state management and React Router for dynamic client-side routing, reducing unnecessary re-renders by 35% and improving application responsiveness.
- Developed scalable, maintainable RESTful APIs using Node.js and Express, integrating robust middleware layers for request validation, JWT-based authentication, error handling, and third-party API communication via Axios and Node-fetch.
- Strengthened application security by implementing OAuth 2.0 and JWT authentication, enhancing role-based access control and mitigating unauthorized access vulnerabilities.
- Collaborated in Agile Scrum teams, contributing to sprint planning, story estimation, and peer code reviews, while driving CI/CD automation using Docker, resulting in faster, more reliable deployments.
- Built and deployed containerized microservices with Docker, improving system scalability and fault tolerance by 30% across distributed environments.
- Enhanced data-layer efficiency by optimizing MongoDB queries and schema design using Mongoose, reducing query latency by 25% and ensuring high-performance transaction handling.

Junior Full Stack Developer   **Bangalore, India**
Vinca Cybertech Pvt Ltd   **Mar 2021 - Oct 2021**

- Contributed to the development of microservices-oriented architecture using Node.js, Express, and RESTful API patterns, significantly improving modularity and system resilience by 25%.
- Engineered and integrated over 10+ secure APIs, enabling seamless data communication between internal services and external third-party platforms, enhancing system interoperability.
- Built interactive, component-driven front-end interfaces with JavaScript, HTML5, and CSS3, achieving improved user engagement and reduced load times through performance-focused refactoring.
- Tuned complex MySQL queries and redesigned schema relationships, optimizing data access paths and improving retrieval times in high-traffic modules.

EDUCATION

Advanced Diploma in Software Engineering Technology	May 2023 - Dec 2024
Centennial College Progress campus	3.9/4.5
Bachelor of Engineering - Mechatronics	Mar 2017 - Mar 2021
Dr. Mahalingam college of Engineering and technology	8.7/10

PROJECTS

FRONTEND

- **Portfolio**: Developed a Portfolio using react.js and tailwind CSS. **View Portfolio** [**Github**]
- **LinkedIn Clone:** Created a full-stack LinkedIn clone with React and Redux, using Firebase for authentication and real-time updates. **View LinkedIn Clone** [**Github**]
- **Cover Letter Generator:** Developed a dynamic cover letter generator using React.js and Node.js, leveraging OpenAI's API. Built a retrieval-augmented pipeline to generate tailored outputs, showcasing expertise in LLM integrations. **View Cover letter generator**[**Github**]

BACKEND

- Developed a supervised machine learning model using raw bicycle theft data from the Toronto Police Data Portal and built web services with Flask for model deployment.
- **ChatApp**: Developed a real-time messaging app using Node.js, Socket.io, and Redis for real-time communication and session management. Dockerized the app for easy deployment. Integrated private messaging, chat rooms, and efficient data caching with Redis. Demonstrated skills in full-stack development, real-time communication.[**Github**]
- **E-Book Shelf:** Developed a scalable e-commerce platform using .Net Framework, featuring real-time inventory updates, asynchronous order processing, and secure payments with Stripe and OAuth2 authentication.[**Github**]

FULL STACK

- **FinFlow**: Engineered a comprehensive full-stack solution using Next.js, Appwrite, Plaid, and Dwolla, delivering both frontend and back-end development. Leveraged Appwrite for robust user authentication and database management while integrating Plaid for secure financial data access and Dwolla for seamless payment processing. Architected the platform to ensure efficient, secure, and scalable financial transactions, enhancing the overall user experience. **View FinFlow** [**Github**]
- **TutorConnect:** Developed a React Native tutor app with a Flask backend, enabling class enrollment, appointment booking, session management, and real-time notifications while optimizing API performance for scalability. [**Github**]

CERTIFICATIONS AND ACHIEVEMENTS

- Attended a Workshop on "Artificial Intelligence" conducted by Technophilia Solutions.
- Completed MachineLearning Course offeredby Stanford University in Coursera online.
- Completed Neural Networks and Deep Learning offered by DeepLearning.AI in Coursera online.
- Secured 2nd prize for developing a model website for Scarborough Food Network.
- Secured 2nd place in a National-Level Paper Presentation on Continuous Learning in AI/ML.
- Served as president of "Factrix" - Department of Mechatronics Association.