

Nandhakumar Ranganathan Ganesh

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Professional Summary

Software Engineer with 5+ years of experience in developing applications using ASP.NET Core and React.js. Skilled in building secure and scalable solutions. Looking for opportunities to apply my expertise, solve real-world problems, and continue growing in a collaborative environment.

Education

Florida State University

Master of Science in Data Science, GPA: 3.82/4.0

Aug 2023 – Dec 2024

Tallahassee, FL

Kongu Engineering College

Bachelor of Engineering in Computer Science, CGPA: 8.3/10

Aug 2019 – May 2023

Perundurai, India

Technical Skills

Languages/Concepts: C#, Python, JavaScript, TypeScript, R, OOPS, Data Structures and Algorithms, Software Design

Frameworks/Libraries: ASP.NET Core, Entity Framework Core, React.js, Redux Toolkit, Blazor, Node.js, Hibernate

Databases: SQL Server, MongoDB, Firebase, NoSQL, SQLite, MySQL, Oracle, PostgreSQL

Cloud/DevOps : Azure, AWS, Docker, Kubernetes, Azure DevOps, Git, CI/CD Pipelines, Load Balancer, Terraform

Tools/Testing/Methodology : Qualtrics, Jest, Junit, Cypress, Selenium, Postman, Grafana, Power BI, Jira, Agile

Experience

University Health Services, Florida State University

Application Developer

May 2024 – Present

Tallahassee, FL

- Enhanced the Health Portal using .NET Core, ensuring HIPAA compliance and boosting efficiency by 50%.
- Designed dashboards, and EMR interfaces to securely manage PHI & 60% cutdown of administrative overhead.
- Implemented database encryption and role-based access, accelerating SQL Server query performance by 45%.

Technologies Used: ASP.NET Core, Blazor, Entity Framework Core, Microsoft SQL Server, Azure DevOps, Docker.

JHCreative

Software Engineering Intern

May 2024 – Aug 2024

Tallahassee, FL

- Spearheaded the development of Demand Curve, refining client engagement and increasing interaction by 50%.
- Optimized backend workflows, reducing API latency by 45% and improving data integrity.
- Strengthened system security, mitigating unauthorized access by 60% while reinforcing compliance measures.

TechStack Used: ASP.NET Core, React.js, MongoDB, SignalR, Azure Functions, CI/CD.

COATS Group

Software Engineering Intern

Oct 2022 – June 2023

Madurai, India

- Contributed to SUMO, a global client-business collaboration platform, boosting cross-team productivity by 60%.
- Re-engineered UI components & API interactions, cutting response times by 45% enhancing real-time communication.
- Revamped UI responsiveness and loading speeds by 55% through state management and performance tuning.

Skills Used: React.js, Next.js, Redux Toolkit, WebSockets, Tailwind CSS, Jest, REST APIs.

Vriksha Mitra

.NET Developer Intern

July 2021 – Sep 2022

Bangalore, India(Remote)

- Improved system performance by 45% through ASP.NET 4 and C#, optimizing backend processes.
- Fine-tuned WCF services, reducing data transfer errors and ensuring seamless third-party integration by 55%.
- Streamlined Tableau reporting, automating data pipelines and improving report accuracy by 50%.

Softwares Used: ASP.NET 4, C#, SQL Server, Oracle, Azure DevOps, Tableau, WCF.

Kongu Engineering College

Web Application Developer

Aug 2019 – June 2021

Erode, India

- Engineered React.js applications with reusable UI components, reducing development time and complexity by 45%.
- Refined REST API integration, leveraging Redux Toolkit to improve data flow and performance by 60%.
- Automated end-to-end testing with Jest and Cypress, cutting production bugs and failures by 55%.

Tools Used: React.js, Redux Toolkit, Jest, Cypress, REST APIs.

Academic & Current Projects

Full-Stack Task Management System

- Built a task management system using ASP.NET Core, React.js, and SQL Server, reinforcing workflow efficiency by 40% with scalable deployment using Azure DevOps and Kubernetes.

Technologies: ASP.NET Core, React.js, SQL Server, Azure DevOps, Docker, Kubernetes.