

Vasanthkumar Ramamoorthi

Java Developer

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Portfolio: www.vasanthkumarr.com

CAREER OBJECTIVE

Results-driven and solutions-focused software engineer with 2 years of experience in **application development** and **DevOps** at Cognizant. Skilled in designing, developing, and maintaining software applications using **Java, Python, and SQL**. Adept at collaborating with cross-functional teams to deliver innovative solutions, with hands-on expertise in **React, Angular, TypeScript** and **JavaScript**. Proven ability to develop scalable applications, optimize database performance, and implement secure, high-availability backend systems. Seeking a Backend, Frontend Software Engineer role to leverage my technical skills and contribute to innovative global e-commerce solutions.

PROFESSIONAL EXPERIENCE

Cognizant Technology Solution, Bangalore, Karnataka, India – September 2021 – July 2023

Program Analyst

Project: Johns Hopkins HealthCare (JHHC)

- Achieved proficiency in full-stack development by developing web application, enabling users to submit insurance claims serving 10,000+ monthly users, using **JavaScript/TypeScript, HTML** and **CSS** for **React** powered **front-end** and **Java** with **Spring Boot** for **back-end**.
- Employed **MSSQL** as the primary database solution, using **JSON** based data exchange between frontend and backend throw **Fetch API** and **RESTful APIs**.
- Utilized Agile SCRUM methodology for efficient project delivery and maintained version control with Subversion (SVN) for effective code management and collaboration.
- Managed and monitored Active Batch jobs, resolving errors to ensure system reliability through **PowerShell scripting** and **CI/CD pipelines**.

Cognizant Technology Solution, Coimbatore, Tamil Nadu, India – June 2021 – September 2021

Research Intern

- Developed back-end part of e-commerce web application using **Java, Spring Boot**, and **MySQL**.
- Streamlined database performance by optimizing **SQL** queries.
- Gained expertise in Agile processes, including sprint planning and SCRUM ceremonies.

PROJECTS

E-Commerce Website (**Django, Python, HTML, CSS, JavaScript**)

- Developed a full-stack e-commerce web application for my father's business.
- **Technology Stack:** Python (Django), MySQL, HTML, Tailwind CSS, JavaScript, Bootstrap, Docker, Jenkins.
- **Core Features:** User authentication, product catalog, shopping cart, and order management with admin and user roles.
- **CI/CD Pipeline Integration:** Implement unit testing, containerize the app using Docker, and deploy with Nginx and Guni corn through Jenkins.

Portfolio Website (**React.js, HTML, CSS**)

- Built a responsive and interactive portfolio website to showcase projects and technical skills.
- Deployed code using GitHub and implemented best practices for debugging and testing.
- Enhanced website performance by optimizing CSS and minimizing bundle size using **React build tools**.
- Implemented form validation and interactive components using **React state management** and **JavaScript ES6 features**.

Party Hall Booking Web Application (**C#.NET, MSSQL, HTML, CSS**)

- Designed and implemented an MVC-based web application for managing bookings.
- Created functionalities for both admin and customer users, improving booking efficiency.

EDUCATION

DePaul University, Chicago, Illinois

Master of Science in Computer Science (STEM) (2023 – 2025)

Relevant coursework: Distributed Systems, Algorithms, Programming Concepts, Data Structures, Artificial Intelligence, Image processing.

Sri Ramakrishna Engineering College, Coimbatore, India

Bachelor of Engineering in Mechanical Engineering (2017 – 2021) - GPA: 7.49/10.00.

TECHNICAL SKILLS

- Programming Languages: Python, Java, C#, VB.NET, SQL, PL/SQL, PowerShell, HTML, CSS, JavaScript, TypeScript.
- Frameworks: .NET Framework, ASP.NET MVC, Django, Angular.js, React.js, Tailwind CSS, Bootstrap.
- Tools: Visual Studio, MSSQL Server, Git, Docker, Jenkins, TFS, Active Batch, Selenium.

CERTIFICATIONS

- Microsoft Certified Solutions Developer (MCSD)
- AWS Cloud Practitioner Essentials
- Basics of JavaScript (Udemy)
- Data Science with Python (Udemy)