

Raja Surya Krishnamurthy

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SUMMARY

Dynamic software development professional with a strong track record of automating processes. Led projects resulting in 15% increase in operational efficiency through 100+ CRUD operations, 30+ RESTful APIs, optimized workflows and major deployments. Skilled in developing software solutions, source and version control and working with cross functional teams. Committed to backend development and adhering to Agile technologies.

EDUCATION

Masters in Computer Science, University of Illinois | Springfield, IL, USA | CGPA: 4.0 / 4.0 Dec 2023
Certified Oracle Cloud Infrastructure Foundations Associate Jul 2024
Certified Microsoft Azure Fundamentals Jun 2024
Amrita Vishwa Vidyapeetham, B. Tech in Electronics and Communication | Coimbatore, India May 2020
Courses: Data Structure and Algorithms | .NET development | Software Engineering Capstone | Software Security Essentials | Advanced Python | Computer Networking Principles | Java Programming | Operating Systems |

SKILLS

Technical Skills: C#, Python, Django, TypeScript, ASP.NET MVC, Oracle SQL, PostgreSQL, HTML, CSS, React, JSON, jQuery
Analytical Skills: Data Cleaning and visualization; identification of threads from complex datasets.
Tools: CI/CD, Unit Testing, Object Oriented programming, Data structure, Algorithms, Agile Methodologies, Software Design, Microservices, DBMS, SonarQube, Docker, Git, Jenkins, Jira, Postman, Swagger, Entity framework, REST APIs, Docker.
Microsoft Tools: Word, Excel, PowerPoint, Teams, Outlook, Visual Studio IDE, Visual Studio Code.

EXPERIENCE

Flow Global Software Technologies, Back-end Developer | Remote July 2024 - Present

- Spearheaded the system design for Flow Turbo by creating a comprehensive end to end **system level architecture** diagram.
- Integrated third party B2B lead source databases like UpLead and ZoomInfo by developing **RESTful** APIs using **Django** which enhanced the lead acquisition by 20%.
- Actively participated in Scrum meetings and improving the sprint completion rate by 10% through effective Agile Practices.
- Documented the system requirements and development changes in Confluence, reducing onboarding time for new team members by 10%.
- Created web applications using **Python, Django** framework, Postgres SQL, PyTest.

DoIT, Software Engineering Intern | On-site (Springfield, IL, USA) Jan 2022 - Dec 2023

- Automated Database operations, increasing operational **efficiency by 15%** through 100+ CRUD operations and triggers.
- Launched 30+ RESTful APIs, collaborating with stakeholders to optimize data exchange operations.
- Enhanced project functionality by redesigning web interfaces for microservices and developing new forms using frontend technologies.
- Contributed to development using Object-Oriented Programming, Python adhering to Agile Methodologies.
- Designed the application development scope, user interface, **Solution Design, UML diagrams, database** design, project reports, **API** development and implementation which resulted in a **35% increase in accuracy** and a 15% boost in overall performance.

Experion Technologies, Associate Software Engineer | On-site (India) May 2020 - Nov 2021

- Increased operational **efficiency by 10%** using 100+ CRUD operations, 20 triggers and 10 procedures.
- Analyzed and optimized code quality with SonarQube, reducing **complexity by 20%** and **duplication by 10%**.
- Implemented automated test cases following Test-Driven Development principles, raising code **coverage by 10%** using JUnit.
- Contributed to backend development by writing code for REST APIs using **ASP.NET MVC**, C# and performed CRUD operations.
- Implemented Azure DevOps **CI/CD pipeline** for ASP.NET web application, automating builds and reducing build errors.

PROJECTS

Social Sphere – A social networking Application

Overview: Social Sphere is a social networking platform connecting users through profile, messaging and content sharing. It is developed using ASP.NET, .NET MVC, Angular, React, SignalR, SQL Server and MongoDB.

- Implemented using SignalR and Azure Blob Storage, supporting over 1 million concurrent users.

Task Manager Pro – A Project Management Tool

Overview: A project management tool to streamline task assignment, tracking and collaboration using React, Node.js, Angular, HTML, CSS and MongoDB.

- Designed a responsive user interface with React and implemented backend services with Node.js for efficient data handling and real-time updates.

ACHIEVEMENTS

- Spot Award, Experion Technologies for excellence in successful deployment.
- Achieved best employee of the month at DoIT for outstanding code debugging and problem solving.