

Roshan Rathika Vivekanandan

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PERSONAL PROFILE

Software Developer with 2 years of experience at Wipro Limited, focused on full-stack web development and SAP ABAP support. Currently pursuing an MSc in Software Engineering at the University of Leicester, with an emphasis on software architecture, cloud computing, and agile practices. Strong problem-solving skills and a history of positively contributing to team projects and delivering effective solutions.

PROFESSIONAL WORK EXPERIENCE

Project Engineer

Sept 2022 – Sept 2024

Wipro Limited

- Developed a productivity tracker website using Java, Spring Boot, and React, reducing discrepancies in employee payments and boosting profits by 10%.
- Worked on SQL Server and PostgreSQL, enhancing query performance and data retrieval.
- Enhanced company profit margins by 5% through consistent resolution of support tickets in SAP ABAP for the SAP IS-Utilities (IS-U) module.
- Exceeded daily ticket resolution targets by 30%, contributing to improved support services and customer satisfaction.
- Mentored 4 junior developers on SAP ABAP technologies and ticket resolution processes, improving team efficiency.
- Collaborated on high-priority tickets with the clients, ensuring timely delivery of critical fixes.

KEY SKILLS

- Programming Languages**
 - Java, Python, HTML, CSS, JavaScript, TypeScript.
- Frameworks and Technologies**
 - Spring Boot, React.js, Node.js, AngularJS, RESTful APIs, JUnit, JPA, CORS, Maven, JSON, Selenium and Cucumber.
- Database Management**
 - MySQL, PostgreSQL, OracleDB, MongoDB
 - Skilled in database design, query optimization, and data management for both relational and NoSQL databases.
- Cloud & Containerization**
 - Kubernetes, Docker, AWS (EC2, S3), OpenStack.
 - Hands-on experience deploying and managing applications in Kubernetes for efficient resource allocation and scalability.
- Version Control & CI/CD**
 - Git for source code management and collaborative development.
 - Jenkins for automating builds, testing, and deployment in CI/CD pipelines.
- Operating System**
 - Experienced in managing and troubleshooting Linux, Windows, and macOS environments, including cloud-based infrastructure.
- SAP Development**

- SAP PI & PO, SAP FIORI, SAP ABAP, SAP CPI
- **API Development and Deployment**
 - Open API, Rest API and Using Open AI's API to develop an AI chatbot.

PROJECTS

- Cloud-Native Productivity Tracker Website
 - **Description:** Developed a web-based tool using **Java, Spring Boot, and React**, leveraging **Kubernetes** for containerized deployment on **AWS** to track employee work hours and ticket resolutions, minimizing overpayments and increasing profitability.
 - **Outcome:** Enhanced project profitability by 15% through efficient time tracking and data-driven decision making.
- Cloud and Kubernetes Management System for Docker Containers.
 - **Description:** Built a cloud environment using **OpenStack** and managed it with **MicroStack** to handle infrastructure and service provisioning. Utilized **MicroK8s** for **Kubernetes** orchestration, deploying the **Docker containers**, and setting up automated management. Achieved dynamic scaling by implementing start, stop, and management functions for **Docker images**, scaling containers up and down based on workload.
 - **Outcome:** Gained hands-on experience with cloud infrastructure, container management, and scalable Kubernetes deployments, enhancing efficiency in orchestrating cloud-native applications.
- SAP ABAP Support Project
 - **Description:** Provided backend support for **SAP IS-Utilities** module, resolving tickets and enhancing system functionality through ABAP customizations.
 - **Outcome:** Improved customer satisfaction by 15% compared to the previous year and significantly reduced system downtime through timely and effective fixes.

EDUCATION

- **MSc in Software Engineering** Sept 2024 – Sept 2025
University of Leicester
 - **Key Modules:** Mobile and Web Development, Generative Development, Cloud Computing, Agile Methodologies.

CERTIFICATIONS

- Cloud Practitioner - **AWS**
- Introduction to Kubernetes - **edX**
- Full Stack Java Developer - **Great Learning**
- React Developer - **Scaler**
- JDK 17 - **Oracle** (Ongoing)

INTERESTS

- Cloud Infrastructure & High-Performance Computing
- Resource Optimization in Scientific Computing
- Application Development and deployment.
- Data Science & Machine Learning for Scalable Applications
- Problem solving and being updated on new Technologies.