

Amruth Sivaramakrishnan

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PROFESSIONAL SUMMARY

- Over all **3.8 Years of Experience** in IT with Prime focus on Software Development as a Java Developer.
- Hands on coding expertise in Application development Using **Java, Spring Boot, Restful Web Services** and **Microservices**.
- Certified **Power BI Data Analyst associate** with expertise in creating interactive Dashboards and reports using **Power BI**.
- Strong foundation in AWS Cloud services and familiar with **AWS EC2 Instance, AWS Lambda Functions, AWS S3, AWS IAM, AWS Cloud watch, AWS API Gateway**, etc...
- Exposure to Agile Methodology, also with tools like **JIRA, GIT, Jenkins, Docker, and Linux**.
- Results-driven professional with a customer-centric focus and strong communication skills.

PROFESSIONAL EXPERIENCE

Senior Systems Engineer [Infosys Ltd | Chennai, India.]

May 2021 - Present

Data Collection Agent [STATS Perform Private Limited | Chennai, India.]

July 2020 - April 2021

EDUCATION

B.E. (ECE) [SMK Fomra Institute of Technology, Chennai, India.]

July 2016 - September 2020

Percentage Obtained: 87.5%

TECHNICAL SKILL SET

Programming Languages: Java, Python.

Databases: Oracle, MySQL, PostgreSQL.

Operating Systems: Ubuntu, Linux, Windows.

Web Technologies: React, HTML5, CSS3, NodeJS.

Framework: Spring Frameworks, Spring Microservices.

Analytics Tools: Power BI, Excel.

Cloud Technologies: AWS.

Development Tools: Spring Tool Suite, Eclipse, Visual Studio Code, IntelliJ, Post Man, Splunk Logs, Elastic Search, Kibana, SQL Developer, MySQL Workbench, Swagger, 42 Crunch Scan.

Deployment Tools: GitHub, Jenkins, Docker.

Others: Red Hat Process Automation Manager, Generative AI, Network Fundamentals. Prompt Engineering.

AI Tools: ChatGPT, Google's Bard, GitHub Co-pilot.

PROJECTS

Verizon – IEN Grooms Orchestration [Infosys Ltd | Chennai, India.]

July 2023 – Present

Role: Java Spring boot Microservices Developer

- Engaged with Verizon to deliver code and develop enhancements in Grooms Orchestration system for WAVE, OTN, DWDM variants of Network circuits.
- Developing logic for microservices to handle the grooming of different orders from their initiation to completion to facilitate the establishment of network elements across the dedicated client location resulted in achieving a 50 - 65% reduction in latency.
- Handling the Sysdig and Black duck Vulnerabilities and performed Java and Spring upgrade for 15+ applications to maintain the security and to keep the application free from vulnerabilities.
- Analyzing and logs through Elastic Search to identify potential issues in the code and fixing the issues to prevent any failure in the grooming of orders .
- Extensive caring on coding best practices and JUnit's to improve code readability, code coverage and to avoid code smell issues.
- **Technologies Used:** Java, Spring Boot, Microservices, SQL, MySQL, Open API, Elastic Search, Jenkins, GIT Bash, Linux, Docker, Jira, JUnit's, Eclipse IDE, SonarQube, GitHub, Spring STS and Swagger.

Verizon – NPP-CE Migration [Infosys Ltd | Chennai, India.]

November 2022 – June 2023

Role: Java Spring boot Microservices Developer

- Successful migration from PostgreSQL to Oracle SQL DB, led to 85% improvement in database performance and reduces redundancy.
- Designed a Spring Restful Web services aligned with business requirements, connecting to a normalized database. This initiative led to a 40% increase in API responsiveness.
- Reduced the number of incidents in production by resolving the critical issues and fixing vulnerabilities.
- Contributed to the creation of Tableau Dashboard for the CE Stakeholders to visualize the network parameters.
- **Technologies Used:** Java, Python, PostgreSQL, Oracle SQL, Spring Boot, Microservices, Power BI, GIT, Linux, Jira, JUnit's, SonarQube, Spring STS, Visual Studio Code and Swagger.

- Implemented proxies and configurations for new microservices, fostering seamless communication between disparate systems and achieving a 30 - 35% reduction in data transfer latency.
- Proficient in debugging using Splunk logs, demonstrating the ability to identify and resolve code-related issues promptly. This contributed to a 20% decrease in production incidents.
- Utilized 42Crunch Scan for API security assessments, ensuring adherence to best practices and mitigating vulnerabilities.
- **Technologies Used:** Java, PostgreSQL, SQL, Spring Boot, Microservices, Red Hat Process Automation Manager, GIT, Linux, Docker, Jira, JUnit's, SonarQube and Eclipse.

OTHER PROJECTS

Java Project – Chat Application with Spring AI

- Facilitated OpenAI API Key Registration process to gain access to OpenAI functionalities, enabling seamless integration of powerful AI capabilities into Spring boot for generative content creation.
- Configured Spring AI dependencies and went through the documentation and repositories to understand the framework's capabilities and best practices to ensure compatibility and efficient utilization of resources.
- Implemented functionality to generate dynamic content based on user prompts, leveraging the power of AI algorithms to produce personalized and contextually relevant output.
- **Technologies Used:** Java, Spring Boot, Open AI, Swagger, Maven, GIT .

Full Stack – Fault Management System using Spring boot & React JS

- Developed a website using React JS for Network Administrator / Operator to access the UI containing Network information about the devices and its configuration.
- For the backend part, implemented a Spring boot web application to interact with Database and perform business operations on the data as per the request from UI.
- Implemented Authentication for Normal User and Admin Users and grant permission as per their role to the operations on the UI.
- **Technologies Used:** Java, Spring Boot, Oracle SQL, Html, CSS, React, Swagger, Maven, GIT.

Data Analytics – Insights for Telangana Tourism Board

- Telangana is one of India's leading states and has published its tourism data under its open data policy.
- As a part of this project, Identified the trends in the Tourists count for a period of past 3 years and provide insights on the districts which attracts most visitors.
- Done some additional research based on the open dataset and provide data informed recommendation on how to increase the revenue of the State and what are the areas which needs more attention in improving administrative operations.
- **Technologies Used:** Python, Pandas, Open Dataset, Power BI, Excel, Canva and GIT.

ROLES AND RESPONSIBILITIES

- Writing well-designed, efficient, secure, and testable code.
- Contributing to all phases of the development lifecycle in Agile Methodology.
- Producing releases of software components using Jenkins and Kubernetes.
- Assume day-to-day responsibility for ensuring that each project is completed on time and that all deliverables are of the highest quality.
- Establish milestones, anticipates issues and monitors adherence to project scope, requirements and design documents, schedules.
- Discuss with the stake holders for the requirements and develop and deliver the project.
- Building the processes and frameworks to confirm to the quality and client standards.

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Microsoft Power BI Data Analyst Associate – (PL -300)
- Microsoft Azure Data Fundamentals (DP – 900)

PERSONAL DETAILS

- **Father's Name:** G. Sivaramakrishnan (Late).
- **Mother's Name:** P. Uma.
- **Date Of Birth:** 27-10-1998
- **Gender:** Male
- **Nationality:** Indian
- **Marital Status:** Single
- **Address:** No 7/2-2 Visvanathan Koil Street, Butt Road, St. Thomas Mount, Chennai – 600016.
- **Languages Known:** English, Tamil