

SRI HARSHA MAHANTI

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SUMMARY

Results-driven Software Developer with 5+ years of experience in building scalable backend systems and test automation. Skilled in Java, Spring Boot, and AWS with a strong focus on microservices, RESTful APIs, and CI/CD pipelines. Experienced in Agile teams with a solid grasp of SDLC and cloud-native development. **AWS Certified Solutions Architect** passionate about delivering clean, reliable, and maintainable code.

EDUCATION

M.S. Information Technology and Management, University of Texas at Dallas, Texas (GPA: 3.7/4)

May 2024

B.E. (Hons.) Computer Science, BITS Pilani Goa Campus, India (GPA: 3.3/4)

Aug 2020

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, HTML5, CSS3

Web Development: Spring Boot, Flask, Angular, REST APIs

Cloud/DevOps: AWS Services, Azure, Docker, Kubernetes, Jenkins

Testing Tools: Selenium WebDriver, TestNG, JUnit, Postman, JMeter

Databases: SQL, MongoDB, DynamoDB, NoSQL

Tools & Methodologies: Git, Jira, Confluence, Apache Tomcat, Jupyter Notebook, IoT, Agile/Scrum

PROFESSIONAL EXPERIENCE

Software Development Engineer - Copart, Texas, USA

Jan 2024 - Dec 2024

- Collaborated with cross-functional teams to design and develop a scalable Seller Relationship Management using Angular and Spring Boot, delivering it within 2 months and **increasing seller engagement by 15%**.
- Automated 120+ functional and regression test cases using Java, Maven, **TestNG** and **Selenium**, setting up and managing CI/CD pipelines using Jenkins and GitHub, resulting in **90% test coverage** and **reducing manual QA time by 40%**.
- Enhanced existing practice by developing friendly user front-end modules using **HTML5/CSS3/JavaScript** and **Tomcat/Java**, improving internal team productivity by streamlining test execution workflows.

Graduate Teaching Assistant - UTD, Texas, USA

Aug 2023 - Dec 2023

- Facilitated learning for 200+ students in Internet of Things and Cloud Computing Fundamentals (**Azure & AWS**) subjects through office hours and one-on-one communication, resulting in improved student understanding and performance.
- Designed lab assignments focused on serverless computing, storage services, and virtual networks.

Senior Software Developer - Webware.io, Goa, India

Sep 2020 - Aug 2022

- Architected and implemented a regression testing suite using Selenium, Java, and TestNG, cutting **release cycle time by 60%**.
- Deployed and managed cloud-based applications on AWS (S3, EC2, CloudWatch), enabling rapid feature rollout and cost-effective scaling.
- Participated in daily Agile SCRUM meetings, sprint planning, and code reviews, ensuring consistent code quality and alignment with business goals.

Software Developer Intern - UST Global, Chennai, India

Jul 2019 - Dec 2019

- Serverless Computing:** Built serverless APIs using AWS Lambda(CRUD Operations), API Gateway, Amazon S3 and DynamoDB, enabling scalable backend support for a mobile application reuniting missing persons.
- Machine Learning and User Interface:** Built a real-time Vendor Prediction tool for a furniture client, using Flask, Sklearn, Pandas, and Matplotlib **achieving 88% accuracy**; built a user-friendly UI with HTML5, CSS3, and JavaScript for seamless client access.
- Automation:** Developed a tool to process PDF invoices and transformed it into Excel, reducing manual processing from 7 days to under 5 minutes using Python libraries, Jupyter Notebook.

Data Analyst Intern - West Bengal e-Governance, Kolkata, India

Jul 2019 - Dec 2019

- Delivered a project using Python and ML techniques which played a key role in predicting future e-transaction counts, enabling the organization to improve and maintain service plans effectively.
- Developed a web scraping program using BeautifulSoup and Python to collect large datasets from government portals, analyzed it using IBM SPSS, and implemented Bass' Model of Diffusion of Innovations for improved predictions, including ARIMA models, to forecast future e-transaction counts accurately.

PROJECTS

IoT in Healthcare Industry, Internet of Things

Aug 2022 - Dec 2022

- Implemented IoT solutions in a dental clinic using AWS IoT to monitor dental clinic metrics, automate oxygen control.
- Ensured **HIPAA-compliant** security, resulting in 10% operational efficiency and **60% improvement inpatient satisfaction**.

CERTIFICATIONS

- AWS Solution Architect** (Associate)
- Introduction to DevOps** (IBM)
- Full Stack Web Development** (HP)
- Mern Stack** (Udemy)
- Cumulocity IoT Platform** (Software AG)