

Raghothama Rao Pranisha

raghothama.raop@gmail.com | +19452091822 | Dallas, Texas, United States, 75248 | LinkedIn: Raghothama | Portfolio

Summary

Experienced Software Engineer with 5+ years of experience specializing in automation, testing, DevOps, and full-stack development. I have a passion for creating impactful solutions, solving complex problems, and implementing clear and maintainable solutions. I am proficient in Python, scripting, React, Next.js, Node.js, AI models, NLP, AWS, Databases, data structures, and algorithms. I am also knowledgeable in Kubernetes and Docker, with a proven track record of designing and implementing highly scalable, distributed systems. I am adept at driving innovation and achieving tangible results in dynamic environments.

Experience

Amazon.com Services LLC | **Software Engineer** | **Seattle, WA** | **Present**

- Build highly available, scalable, and redundant systems that process hundreds of millions of API requests per day and stream data at petabyte scale.
- Develop and implement solutions for advertising campaign management, including features for ad targeting, bidding, and reporting.
- Utilize the latest AWS technologies, including ECS, Fargate, EC2, EMR, Lambda, Kafka, Elastic Search, Dynamo DB, SQS, SNS, Cloud Watch, CDK, and Cloud Formation.
- Contribute to the development and maintenance of CI/CD pipelines, automating infrastructure provisioning, load testing, and monitoring.
- Collaborate with cross-functional teams to deliver high-quality software that meets the needs of our advertisers.

Mphasis Ltd, India | **Software Engineer** | **Bangalore, India** | **Jul 2021 - Jun 2022**

- Enhanced testing efficiency by 94% with automated testing using TestRail, Python Robot Framework, and Selenium, ensuring comprehensive test coverage and Agile management.
- Integrated Jenkins with Jira and TestRail, reducing manual tasks by 32 hours weekly and boosting team productivity.
- Reduced backlogs by 48% through developing automated performance dashboards with Python, Jira, TestRail, and SQL on Jenkins via GitHub, providing real-time, data-driven insights.
- Automated UI operations with computer vision, eliminating manual tasks and improving team efficiency by 4%.
- Engineered ETL processes and automated hourly updating dashboards, integrating with Jenkins for CI/CD, aiding in backlog analysis and decision-making.

Ittron | **DevOps Engineer Intern** | **Dallas, TX** | **Sep 2023 - May 2024**

- Engineered Ansible automation PaaS, leveraging Infrastructure as Code and reducing task completion time by 70%.
- Automated end-to-end customer operations with shell scripts, cutting manual task time from 16 hours to 3 hours.
- Architected and implemented a secure backend database in MySQL, reducing query response time by 40%.
- Developed a full stack application utilizing React.JS, Next.JS, Typescript and Node.JS to elevate user experience.
- Created custom API endpoints, integrated with RabbitMQ and employed proxies throughout backend processing, boosting security and data integrity and deployed containerized builds on to servers using Docker.

Forcepoint | **IT Intern - Business Applications** | **Dallas, TX** | **Jun 2023 - Aug 2023**

- Collaborated cross-functionally to automate payment processing using Salesforce integrated with Boomi, reducing weekly manual work by 12 hours.
- Rectified a system loophole in company code application post-order completion, using Boomi to save 4 hours weekly.
- Improved Salesforce transaction-level dates on invoices and credit notes across various time zones for enhanced accuracy.

Education

University of Texas at Dallas | **MS, Information Technology and Management (STEM)** | **Dallas, TX** | **Aug 2022 - May 2024**

GPA: 3.88

- Related courses: Object Oriented Programming in Python, Database Foundations (SQL & MongoDB), Intelligent Enterprise Systems with SAP, Big Data, Advanced statistics for Data Science, Cybersecurity Fundamentals.

Technical Skills

Languages:

Python (NumPy, Pandas, Scikit-Learn, PyTorch, PySpark, Selenium), SQL, Java, Git, UNIX Shell Scripting.

Web Technology:

HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Node.js, REST-API, Containerization.

Frameworks & Tools:

RobotFramework, Ansible, Spark, Docker, Hadoop, Kubernetes, Tableau, TensorFlow, RabbitMQ.

Databases:

MySQL, MS SQL, MongoDB.

Certifications:

Python, SQL, Data Science Foundation, Cybersecurity Essentials, DevOps Foundations, Google-Generative AI.

Projects

Tailoresume: AWS+Gemini application to tailor resumes based on Job description | **Jul 2024 - Present**

- Developed, an AI-driven application using GeminiAPI, Google AI, and AWS to dynamically tailor resumes, increasing efficiency by 50% and reducing manual editing time by 70%.
- Designed a user-friendly frontend interface saving an overall 70% of time in application.

****AutoPlat:** SaaS Automation Builder | **Apr 2024 - May 2024****

- Developed AutoPlat, a SaaS application for workflow automation, using Node.js, Next.js, TypeScript, and more, featuring a drag-and-drop interface and integration with platforms like Discord and Slack.
- Implemented a billing system within the app for a subscription-based model. Integrated Stripe to allow users to purchase credits and utilize the platform's workflow automation capabilities.

****Smart Vineyard using ML:** Enhancing viticulture by implementing Machine Learning | **May 2020 - Jul 2020****

- Spearheaded the development of a highly effective machine learning model for viticulture optimization using Convolutional Neural Network (CNN) algorithm and Python, involving preprocessing and analysis of large datasets.
- Achieved an 87.76% efficiency rate in predicting and optimizing viticulture parameters during simulation.