

Sreeniketh Aathreya

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Summary

Experienced Software Engineer with a strong background in Python development, Data Science, ML/AI, Cloud technologies, and DevOps practices. Skilled in designing and implementing scalable applications, automation, and cloud-based solutions. Seeking a challenging role to leverage my expertise in my core competencies.

- **F1/OPT, H1B lottery picked**

Technical Skills

Languages and Frameworks: Python, Java Script, Angular-JS, React, Kotlin, SQL, C, C++ , Java, YAML

Operating Systems: Linux, Windows, Unix, Ubuntu.

Web Technologies: JavaScript, HTML5, XML, CSS3, PHP, WordPress, Bootstrap, Spring, Django

Database Management: MS Access, MySQL, Oracle, PostgreSQL, RESTful APIs

Cloud Computing Tools: AWS-EC2 Interface, RDS, ELB, Elastic Cache, CloudFormation, Glacier, Snowball, Cloudtrail, CloudWatch, Prometheus, Grafana, Beanstalk, Git-Lab, Docker, Ansible Tower, Terraform, Bit Bucket, Datadog Jenkins, Helm, GitHub, Databricks, Docker, Github Actions, NodeJS, Kubernetes, Aurora.

LLM integrations: Anthropic, OpenAI, Llama3

Projects

- **Medical Blog Generation:** AWS-native website with a RAG-based generation from a database of medical drugs and live web search for updating vector database, as well as image generation with Stable Diffusion.
- **RAG-Ops Toy Store:** A website with production-level Ops that recommends products that match the user's natural language queries from a database of 15000 Amazon products using retrieval augmented generation(RAG).
- **Skin Lesion Classification:** Developed a model using transfer learning and collaborative deep learning for accurate classification of skin lesions from images.
- **Elderly Assistance Robot:** Implemented a socially cognizant robot that implemented the concept of crowd navigation using OpenAI Baselines.

Experience

Professional Services Engineer, R3 – Manhattan, NY

June 2023 - Apr 2024

- Orchestrated a \$4M deal with an external bank by creating full-stack sales engineering demos, highly available and scalable Corda applications programmed in Kotlin and Python on R3's distributed ledger platform.
- Increased developer productivity with an SDK for tokenization of digital financial assets, which was inducted into the platform as an internal importable library.
- Slashed time to deployment by 50% by creating resilient cloud infrastructures on AWS and GCP, seamlessly integrating Jenkins, JFrog Artifactory, and Kubernetes for scalable and reliable deployments for multiple envs.

Solutions Architect, Akamai Technologies Inc – Bengaluru, India

Nov 2021 - July 2022

- Contributed to streamlined workflows by scripting for various automation tasks and integrations for web enhancements. Created 22 new features for delivery and security products.
- Drove presales strategy by demonstrating services that address web challenges to global customers through POCs with a unified CDN and security platform with 125% efficiency dealing with \$20M+ deals.
- Log analysis, troubleshooting, and generating performance reports for high-profile clients. Troubleshooting issues reg. Security attack analysis, Rate Control, DDoS management, performance tuning websites.

Application Security Engineer, Cognizant Technology Solutions – Bengaluru, India

Aug 2020 – Nov 2021

- Scripts that automated security audits and system log analysis led to a 30% decrease in system vulnerabilities.
- Completed comprehensive training in Python Scripting for automation, Google Cloud Platform (GCP), Amazon Web Services (AWS), and Microsoft Azure, showcasing proficiency in deploying and managing cloud infrastructure.
- Demonstrated expertise in Linux administration and applied DevOps principles to streamline software development and Deployment processes.

Certifications

AWS Certified Developer – Associate : Verified by Credly and AWS(2021-09-03 to 2024-09-03)

AWS Certified Solutions Architect – Associate : Verified by Certmetrics(2020-12-12 to 2023-12-12)

AWS Certified Data Engineer – Associate

Corda Certified Developer, Databricks Lakehouse Fundamentals, Databricks Generative AI Fundamentals

Education

- **Rutgers University**, MS in Computer Science **GPA:** 3.9/4.0
- **PES University**, B.Tech in Computer Science **GPA:** 3.5/4.0

Sept 2022 - May 2024

Aug 2016 - June 2020