Yashwanth Sridharan

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Summary

Passionate **full-stack developer** with 6 **years of experience** in architecting distributed systems, automating large-scale benchmarking workflows, and developing **data-driven optimization platforms**. Proven track record of reducing infrastructure costs, eliminating manual bottlenecks, and accelerating engineering decision-making.

Education

Northeastern University, Boston, MA   Sep 2021 – Dec 2023

Master of Science, Information Systems

Sri Venkateswara College of Engineering, Chennai, India   Aug 2014 – Apr 2018

Bachelor of Technology, Information Technology

Experience

AMD, TX, USA   Jan 2024 – Present

Senior Software Development Engineer

- **Architected and deployed** a distributed execution engine to orchestrate benchmarks across multi-server clusters with sequential scheduling, improving utilization and reducing idle time by **64%**
- **Automated full benchmarking lifecycle** with Phoronix Test Suite integration, eliminating **100% manual intervention** and ensuring reproducibility at scale
- **Designed BIOS automation framework** (using Ansible and scripting) to allow performance engineers to test multiple BIOS configurations across workloads, accelerating optimal configuration discovery
- **Engineered data pipelines** (Python, Azure, Databricks Spark) for ingestion and analysis of performance time-series data (GBs/day), reducing analysis turnaround time by **72%**
- **Owned CI/CD workflows** (GitHub Actions, Docker) to containerize applications and enable automated deployments, reducing downtime by **80%**
- **Provided architectural leadership** by reviewing designs, conducting PR reviews, and mentoring interns and junior engineers to onboard effectively and contribute to complex distributed systems
- Recognized with multiple **Spotlight awards** for delivering mission-critical performance tools under tight timelines

CarGurus, MA, USA   Jun 2022 – Dec 2022

Software Engineering Co-op

- Optimized home page performance: reduced **Largest Contentful Paint (LCP) by 47%**, resulting in a **28% increase in traffic**
- Spearheaded the **creation of components** using React and TypeScript in collaboration with the **Design Systems** team
- Enhanced the overall **test coverage** of the design system components **from 50% to 96%** using Jest and React Testing Library

Synergita (Product of Aspire Systems), Chennai, India   Jun 2018 - Jul 2021

Senior Software Engineer

- Rebuilt customer-facing website, improving site performance grade (30/100 → 64/100) and load time (9s → 4s)
- Setup Web API calls to **automate the integration** between leads in product to CRM, streamlining the collaboration between the marketing and sales team
- Built an **ROI (Return of Investment) Calculator Tool** using React by enabling cost-of-usage comparisons between Excel and our product, resulting in **280% more leads**
- Collaborated with SEO specialist and improved website **SEO score from 50 to 85**
- Awarded **Role Star** for the first quarter of 2021 for rebuilding the functionality **within 3 sprints**

Skills

Languages & Frameworks: Python, JavaScript/TypeScript, React, Vue, Redux, Next.js, Express

Data & Cloud: AWS, Azure, Databricks, Spark, Hadoop, Kafka, MongoDB, MySQL, Postgres

DevOps & Infra: Docker, Ansible, CloudFormation, CI/CD (GitHub Actions)

Styling/UI: styled-components, SASS, Bootstrap, Tailwind