

Hari Sridhar
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EXPERIENCE

- **Capital One Financial Corporation** San Francisco, CA
Data Governance Center Team, Senior Software Engineer — Principal Associate May 2023 - April 2024
 - Led team to meet multi-quarter business metrics and product stability goals; increased the number of closed assets and platform actions and decreased state transitioning and customer session time.
 - Shipped first MVP to production and expanded unit test coverage to meet Enterprise 80% coverage requirement.
 - On-boarded the first internal customer - SCAN team: delivered features to execute their enterprise workflows.
 - Met cloud resiliency expectations by executing TREX failback and failover validations on AWS infrastructure.
 - Trained junior engineers on cloud disaster recovery, requirements gathering, unit testing and debugging.
 - Spearheaded refactoring to enable inner sourcing capabilities, onboard internal customers, and grow the user base .
- **Google** Mountain View, CA
Gold Serving Group, AIM Measurements Team, Software Engineer Jan 2022 - Jan 2023
 - Empowered key advertisers to retrieve analytics reports by addressing long-lived web request latency issues.
 - Saved on costs, resources, and hardware footprint by shifting server traffic from online mode to offline mode.
 - Triageed customer under-performant SQL queries via strengthening of Analytics's report generation's logging.
 - Supported ongoing customer migration from UA to GA4 by adding Venus registered fields for feature parity.
 - Resolved performancy issues by improving the once-only analytics report retry with exponential back off.
 - Coded dynamic memory throttling for servers to avoid thundering herd and cascading failures in production.
 - Delivered a C++ feature to use or update formerly hard-coded server diff unit tests of customer requests.
- **SWIFT** Manassas, VA
SnF Messaging & Gateways Team, Associate Software Engineer Nov 2018 - Dec 2021
 - Product-ionized, deployed, and end-to-end tested banking transaction workflows across multiple environments.
 - Ensured enterprise infrastructure met SLAs by triaging and fixing performance regressions and network delays.
 - Generated analytics reports and visuals of traffic patterns for network engineering team to certify deployments.
- **Amazon** Seattle, WA
Technical Risk Reduction, Retail-Monitoring Intern June 2017 - August 2017.
 - Developed an animated traffic graph feature for E-commerce web page transition data across marketplaces, using Vizceral and Javascript, for internal monitoring and observability teams.
 - Expanded Ruby unit test coverage to assert code path correctness and expedite feature deployment.

EDUCATION

- **University of Texas at Austin** Austin, TX
B.S Computer Science and Mathematics Aug 2014 - May 2018

PROJECTS

- **HAIR SIMULATION** Implemented natural hair atop a virtual mannequin using a super-helices based model.
- **WORLD OF GOO** Modeled World of Goo using a Mass-Spring based simulation.
- **RAY TRACER** Whitted-Illumination Ray-Tracer optimized with Bounding Volume Hierarchies and OpenMP.
- **VIRTUAL MANNEQUIN** Implemented skeletal animations, textures, and linear-blend skinning to 3D Ogre Mesh.
- **OS FINAL PROJECT** Added a PRF-based filesystem-level encryption scheme to the class OS.
- **SECURITY ATTACKS** Replicated system exploits such as buffer-overflow, return-to-libc, and stack smash.

SKILLS AND INTERESTS

- **Languages** Bash & Unix Tools, C, C++, Java, Python, HTML/CSS, JavaScript, MATLAB, Perl, Ruby, Scala
- **Technologies** (2+ YOE) AWS, CMake, Hadoop, MongoDB, Numpy, OpenGL, Pandas, PyTorch, Spark, SQL, Svelte
- **Interests** Analytics, Back end, Cloud, Data Engineering, Full Stack, Infrastructure, Machine Learning, Web Dev
- **Hobbies** Board Games, Cooking, Drawing, Hiking, Music, Photography, Reading, Traveling, Working Out.

LINKS

Github: github.com/2018hsridhar
LinkedIn: [in/harisrid](https://in.linkedin.com/in/harisrid)