Ved Ameresh
Software Engineer • NYC

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Experience

Software Development Engineer

New York, NY
Aug 2021 - Present

- Scoped, spec'd, and delivered the following projects into production, using the latest in AWS, ushering in a big-picture org initiative of re-architecting robust, scalable systems, while still maintaining **99.99%** reliability for millions of Amazon customers and advertisers worldwide.
  - Distributed offline billing solution built using AWS ElasticMapReduce to aggregate and join ad auction events, impressions, and clicks to Amazon advertisers.
  - Proxy service built using AWS Fargate containers to abstract ad validation and protect sensitive user data, saving **10%** of global revenue in foreign compliance.
- Operationally maintained worldwide advertising attribution, billing, and budgeting pipeline across **12+** services supporting over **$40M** in monthly revenue.
  - Responsible for host upgrades to the latest operating system as part of an org-wide security initiative, across **2000+** production hosts.
  - Critical to the mitigation of large-scale outages leading to real-time recovery of revenue and customer trust.
  - Leader in operational excellence within the org, successfully scaling critical components to handle multiple high-traffic events.
- Mentored several engineers, including new hires, interns, and apprentices. Code reviewer, project reviewer, and subject-matter expert of many critical components operated by the team.

Software Development Intern

Kalamazoo, MI
May 2019 - July 2019

- Developed a working prototype of a cross-platform mobile app to configure 100's of IoT medical devices to the same wireless ecosystem, using AngularJS and Ionic.
- Using test-driven development principles, set-up CI/CD pipeline via Microsoft Azure to ensure clean builds and automated integration testing before any releases to production.
- Created a networked system to dynamically generate a mobile UI from HTTP packets sent via WiFi P2P and Bluetooth LE.

Education

University of Michigan

Ann Arbor, MI
2017 - 2021

Bachelors of Science in Computer Science, magna cum laude
Minor in Climate Engineering

Relevant Coursework: Operating Systems, Web Systems, Computer Security, Database Management Systems, UI/UX Design, Computer Organization, Data Structures and Algorithms

Skills

AWS	Java	Javascript	Design Principles
Python	Scala	React	Cloud Computing