Kiran Noolvi

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Education

The University of Texas at Dallas — Richardson, TX
MS Computer Science | GPA: 3.795 — *Jan. 2019 – May. 2021*
Visvesvaraya Technological University — Belgaum, India
BE Electrical and Electronics Engineering | GPA: 3.66 — *Sept. 2011 – July. 2015*

Experience

Amazon — Austin, TX
Software Development Engineer — *07/19/2021 – Present*

- Designed a thread-safe mechanism to listen for de-registration notifications from Alexa cloud, clearing saved credentials upon notification receipt, thereby enhancing device security and potentially reducing Alexa cloud costs by 7 times.
- Built a feature to automatically re-publish expiring Alexa discovery capabilities to Alexa cloud every 24 hours, mitigating the risk of Alexa local device connection outage.
- Developed a client-facing API to report and resolve Authorization credential issues, reducing the risk of downtime for Alexa local device connections and averting the potential of a 17-hour service interruption.
- Created a custom local rate throttling mechanism, reducing the risk of outage chances of an Alexa cloud service by 90%.
- Achieved a consistent sub 1.5ms local Alexa device communication latency using thread safe caching mechanism.
- Revamped the CI/CD process by developing integration tests, achieving 80% test coverage for an Alexa cloud service.
- Designed and implemented a custom metrics data aggregation mechanism. Utilized this mechanism to aggregate Alexa metric data at a frequency of 1 hour, reducing associated metrics cloud costs.
- Mentored 1 Software Development Engineer during team onboarding.

PCI Enterprises — Heath, TX
Web Development Intern — *01/20/2020 – 05/05/2021*

- Developed a web application feature for vendors to update estimated ship dates or tracking numbers, reducing order cancellations by 30%.
- Redesigned the process of creating invoices by parsing EDI files, increasing team efficiency by 2x.
- Revamped the order shipping process, minimizing shipping of canceled orders due to delays by 60%.

SAP — Bengaluru, Karnataka, India
Quality Associate — *08/17/2015 – 01/02/2019*

- Led testing efforts for business cases/use case enhancements, preparing test data, test cases, and executing test strategies.
- Collaborated with stakeholders, business analysts, and project leads to design client functional uses.

Projects

Instagram Clone [React.js, Node.js, Express.js, MongoDB] — *May. 2020*

- Built a full-stack web app, similar to Instagram, enabling users to log in, upload posts, explore content from various users, and engage with posts through likes and comments.

Online Fashion Store [HTML, CSS, Bootstrap, jQuery, Javascript, PHP, MySQL] — *Dec. 2019*

- Developed a full-stack web application for online shopping.

Image Captioning using Deep Learning [Python, Flickr8k dataset, Inception V3 model, LSTM, Beam Search] — *Dec. 2019*

- Developed a deep learning image caption generator that automatically generates caption for a given image.

Relevant Skills

Languages: C++ | Java | PHP | Python | SQL | MongoDB | HTML/CSS

Frameworks/Technologies: Node.js | React.js | Bootstrap | jQuery | AJAX | Git

Relevant Coursework: Algorithms Analysis and Data Structures | Design and Analysis of Computer Algorithms | Database Design | Object Oriented Analysis and Design | Web Programming Languages

Leadership

Discrete Structures Grader at UTD — Hold weekly office hours and grade assignments for 35 students.

Awards

Appreciation for handling critical responsibilities @ Amazon: Oct. 2023   **Spot award winner @ SAP:** Aug. 2018