

KIRAN NOOLVI

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EDUCATION

The University of Texas at Dallas

MS Computer Science | GPA: 3.795

Visvesvaraya Technological University

BE Electrical and Electronics Engineering | GPA: 3.66

Richardson, TX

Jan. 2019 – May. 2021

Belgaum, India

Sept. 2011 – July. 2015

EXPERIENCE

Amazon

Software Development Engineer

Austin, TX

07/19/2021 – Present

- Designed and developed an end to end thread safe mechanism that listens for de-registration notification from Alexa cloud and when receives a notification would clear all the saved credentials belonging to the customer; enhanced the security of Alexa devices and potentially help reduce Alexa cloud costs by 7 times.
- Built a feature to automatically re-publish expiring Alexa discovery capabilities to Alexa cloud every 24 hours; mitigated risk of Alexa local device connection outage.
- Implemented client facing API to help client applications report issues with their Authorization credentials and get valid Authorization credentials; minimized the risk of potential 17-hour downtime of Alexa local device connections.
- Developed a custom local rate throttling mechanism for an Alexa feature that throttles unnecessary requests to Alexa cloud; reduced Alexa cloud outage chances due the feature 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 for an Alexa cloud service; achieved 80% test coverage.
- Designed and implemented a custom metrics data aggregation thread safe mechanism. Used this mechanism to aggregate critical Alexa metric data at a frequency of 1 hour; reduced associated metrics cloud cost.
- Mentored 1 Software Development Engineer during team onboarding.

PCI Enterprises

Web Development Intern

Heath, TX

01/20/2020 – 05/05/2021

- Developed a web application feature for vendors to update a new estimated ship date or the tracking number on orders which are due in a few days from now; reduced canceling of valid orders by 30%.
- Redesigned the process of creating invoices for the shipping cost of an order by parsing data from the EDI file sent by the delivery services company; increased team efficiency by 2x.
- Revamped the process of shipping of orders by closing orders which are past their ship date; minimized shipping of canceled orders due to the delay by 60%.

SAP

Quality Associate

Bengaluru, Karnataka, India

08/17/2015 – 01/02/2019

- Designed client functional uses along with Stakeholders, Business Analysts, and Project Lead.
- Led business cases/use case enhancements testing, preparing test data, test cases, test strategy, and test executions.

PROJECTS

Online Fashion Store [HTML, CSS, Bootstrap, jQuery, Javascript, PHP, MySQL]

Dec. 2019

- Built a full-stack web application that allows users to log in, browse through the different products, view product reviews, add products to the cart, place an order, and review the ordered product.

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 | JavaScript | 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