Kasiviswanathan Srikant Iyer

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Education

Master's in Computer and Information Science | (3.77/ 4 GPA)   May 2023
  University of Florida   Gainesville, FL
Bachelor's in Computer and Information Science | (3.22/ 4 GPA)   May 2019
  SRM Institute of Science and Technology   New Delhi, India

Experience

Product Development Engineering Co-Op   Aug 2022 – Present
  AMD | Global Operations   Austin, TX
- Develop programs for debugging and characterizing next-generation AMD processors, working on ATE
- Collaborate with product engineering, characterization and platform debug teams to define and debug products
- Handle issues in software, device, support product improvement activities including driving cost reduction

Software Engineering Intern   Jan 2022 – Aug 2022
  University Of Florida | UF Information Technology   Gainesville, FL
- Created 100+ automation scripts for web accessibility and unit testing in Katalon Studio
- Utilized Micro Focus ALM to create test scripts for maintenance of website by coordinating with other teams
- Refactored JMeter script for load handling by making it modular and introducing BeanShell scripting

Assistant Systems Administrator   Jun 2019 – Aug 2021
  TCS | SAP BASIS   New Delhi, India
- Automated 90+ processes in Worksoft for multiple teams increasing efficiency by 90%
- Created 20+ new jobs for SAP Basis, from Service Now requests, using BMC Software for auto scheduling jobs
- Transitioned DB2 database to HANA optimizing data storage and increasing speed of access by 20%
- Conducted load balancing across active application servers for performance according to SAP recommendation

Technical Skills

Languages: Java, Python, C++, C, F#, PHP, HTML, CSS, JavaScript, Go Lang, SQL, NoSQL
Technologies: Git, Control-M, SAP, Agile, ALM, Docker, Kubernetes, AWS, Jenkins, Jupyter, JSON, Ajax
Tools: NumPy, Angular, Selenium, GCP, React, Node.js, TCP, UDP, Express.js, REST, Object-Oriented Design

Academic Projects

Movie Rating Website | Go, React, Rest API, SQLite, Cypress, Agile
- Developed 15+ back-end API endpoints in Golang to rate movies, add friends, provide ratings, and search movies
- Configured database and achieved 80%-unit test coverage practicing agile methodologies over 5 sprints

Distributed Processing Projects | F#, WebSockets, Akka model
- Designed a multi-threaded encrypted twitter engine concurrently handling up to 20,000 users by using Akka actors
- Implemented the CPU intensive task of bitcoin mining by distributing the load over 7 systems

Accident Analysis System | C#, .NET, Angular, Ajax, Bootstrap, jQuery, SQL (Oracle)
- Built a web application with 100,000+ records of accidents to show trends dynamically for insurance companies

Interactive IoT voice responder | Python, API Arduino, Raspberry Pi, ESP8266, Node MCU, IoT
- Fashioned a smart home device to recognized 50+ custom voice query requests using Python and Google APIs
- Upgraded dumb devices to be smart including making a heating system wireless & watering plant remotely

Personal Projects

Swamp Hackathon | Google Cloud, Twilio API, AssemblyAI, Node.js, Express.js, Firebase
- Engineered a safety app with live geolocation and real time voice transcripts using APIs in a 36 hrs hackathon

Website searcher | Python - Selenium, Twilio, Pywhatkit, Raspberry Pi
- Constructed a program to periodically crawl 6 different websites, collecting relevant information
- Employed Twilio API & Pywhatkit to send phone updates through a headless Pi server, with an uptime of 203+ days

GUI interactor | Python - Pyautogui, Python – Pywinauto
- Eliminated manual repetitive actions reducing effort by 100% by utilizing python to interact with the GUI

 Publication - Published a paper on "Cost-effective approach to parking management: Effective parking using IoT"