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Education

University of Illinois at Urbana Champaign Master's Degree, Computer Science; GPA: 4.0/4.0 Graduate Teaching Assistant: Software Engineering (CS 427)

BMS College of Engineering (Visvesvaraya Technological Univ.)

Bachelor's Degree, Computer Science; GPA: 9.55/10.00

Technical Skills

Languages: Java, JavaScript, ReactJS, NodeJs, SQL Databases: Azure SQL, IBM DB2, MongoDB, CosmosDB, Redis, Neo4j Frameworks: Vertx, Spring Boot, Activiti workflow, Kafka, Junit, Mockito Others: Azure Cloud, Python, GIT, Shell Scripting, C++

Experience

Full Stack Intern

FedEx

June 2023 - Aug 2023 Memphis, Tennessee, USA

- Independently spearheaded the redesign of the Automated Dispatch Sectorization, overseeing the project from initial analysis and **Balsamiq** design to front-end and back-end implementation, integration with external systems, rigorous testing, and achieving production readiness for the first MVP
- Worked as a part of the core Express Shipment Service Team utilizing Angular and Java SpringBoot for development tasks
- Gaining insights into the logistics and shipment industry while developing valuable technical skills

Research Assistant

Collaborative Project between IBM Research and UIUC

- Led a 4-member graduate team in developing REST-GPT for automated test suite generation utilizing ChatGPT and implemented microservice fuzzing under the supervision of Dr. Darko Marinov and Dr. Reyhaneh Jabbarvand, achieving prime path coverage for microservice-to-microservice interactions.
- Surpassed Microsoft's RESTler, Evomaster Blackbox, RESTtest, RESTtestgen, and SchemaThesis by achieving approximately 10% higher line, branch, and method coverage across 20 benchmark projects.

Software Engineer 3

Walmart

- Contributed to the development of Cloud Powered Checkouts for Walmart & Sam's Club stores
- Proficient in utilizing Azure Cloud, Kubernetes, and Docker for implementing cloud technologies
- Designed and developed a hierarchical configuration tool using reactive Vertx Java, Azure SQL, Redis, Kafka, and ReactJs
- Successfully integrated the product with multiple clients and efficiently handled dynamic change requests in an agile environment
- "Walmart Bravo Award" for timely delivery of critical and complex features in March 2022
- Awarded "Associate of the Month" across Transactional Systems at Walmart in February 2022

Senior Software Engineer - Consultant at Morgan Stanley

Accolite Digital

- Served as a Technical Consultant for Treasury Tech at Morgan Stanley, overseeing a client project, developing a real-time Java dashboard for faster report generation, and leading a seamless migration of IBM DB2 OLTP Database from v9.5 to v11.2.
- Managed integration with critical downstream systems like Trading and Unsecured Funding, and devised a widely-adopted generic annotation-based asynchronous library
- Implemented generic **DevOps** practices for streamlined deployment of new changes in production environments
- Engaged comprehensively in the software development lifecycle, from requirements gathering and design to implementation, testing, deployment, and maintenance.

Software Engineer Intern - Consultant at FedEx

Accolite Digital

- Developed the "Random Drug Tests" project for FedEx pilots using the Java Spring Boot framework
- Created a generic microservice responsible for handling email-sending failures

Projects

Configuration Tests on Apache Skywalking | Java, MySQL, Junit, Mockito, Python

• Reproducing an OSDI conference paper "Testing Configuration Changes in Context to Prevent Production Failures" (Awarded SIGSOFT Distinguished Paper) with an open source project - Apache Skywalking.

tutoryly.live | React, Java

• Orchestrated development of tutorly live which ranked in the top 10% in over 60 submissions and was selected for the App Competition at UIUC in December 2022

June 2021 – July 2022

Bangalore, India

Bangalore, India

June 2019 - June 2021

August 2015 - August 2019

August 2022 - December 2023

Bangalore, Karnataka, India

Champaign, Illinois, USA

January 2019 - May 2019

Bangalore, India

January 2023 - May 2023 Champaign, Illinois, USA