Abhishek Hondad

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Computer Science professional with 4 years of software development experience. Seeking a Software Developer Opportunity.

EDUCATION

M.S. in Computer Science - Arizona State University, Tempe, United States   Expected - May 2024
Cloud Computing (AWS), Distributed Software Development, Distributed Database Systems   4.16/4.0

Bachelors in Computer Science & Engineering - R.V. College of Engineering, Bangalore, India   May 2019
Data Structures & Algorithms, Object Oriented Programming (OOPs), Database Management System   3.9/4.0

TECHNICAL SKILLS

Languages: Java, C++, Python, C#, Swift, C

Databases, Tools, and Frameworks: MySQL, SAP Hana, Spring, SpringBoot, GitHub, Docker

PROFESSIONAL EXPERIENCE

SAP Labs, Bangalore, India – Software Developer   January 2019 - July 2022

Platform Frameworks team at SAP SuccessFactors: Java, Spring, SAPHana Database.

- Envisioned and designed **payload metadata** for messaging framework. Developed functional **APIs** to efficiently fetch, process and populate message payload. Conducted memory analysis for **Kafka** message payloads and **optimized it by 50%.**

- Spearheaded collaborative research to optimize test case execution time in CI pipeline. Achieved **3x acceleration** by running selected tests, covering code flows impacted by new code changes. Awarded first place among 20+ teams as part of a **Hackathon** (5 weeks long) and filed **two patents** (granted).

- Analyzed customer logs to **identify the root cause** of invalid use cases of metadata objects. Orchestrated a **team of 3** to enforce backend validations, mitigated customer data issues **by 4-times**.

- Improved compliance and reduced privacy risks by expanding the Read Log Access **(GDPR)** framework to support custom data structures. Lowered **bugs by 3-times** and enhanced test coverage to 98%.

- Revamped SQL and workflow components of Attachment (Files) Processing module, driving a **45% performance** increase.

- Crafted a data migration job to facilitate versioning of object instances to populate default values. **Empowered customers** with capability to adeptly manage time sensitive object instances.

Recognition: Make It Happen Together (Team Support Excellence), Keep the Promise (Customer-focused Deliverables Commitment)

INTERNSHIP

TechSmith Corporation, East Lansing, United States – Software Engineering Intern   May 2023 – August 2023

- Led migration of an open-source software upgrade framework **(Sparkle)** to version 2 for MacOS applications. Revamped upgrade module to trim **code by 60%** and resolved **technical debts**. - Swift, Objective-C

- Enhanced MacOS application security by migrating signature verification algorithm from DSA to EdDSA. Fortified protection and thwarting potential vulnerabilities **for 65 million users**. - Swift

- Integrated a unit test coverage metric to establish **quality benchmarks** for 27 repositories. – GitHub Actions, Coverage.py

ASU Decision Theater Network, Tempe, United States – Research Associate   December 2022 - May 2023

- Contributed to engagements aimed at **publishing the research** in visualization frameworks. Decision Theater develops tools to facilitate complex decision-making processes and enable real-time data analytics of large data.

PUBLICATIONS AND EXTRACURRICULAR

- **Patent** on '*Reducing the time taken to build artifact for a code change*' [US – 17/121,665], SAP Labs   December 2020

- **Patent** on '*Associating Call Graph Methods depending on the idiosyncrasy of the Design Patterns for Specific Code Base to Generate Complete Call Graph*' [US - 17/121,496], SAP Labs   December 2020

- **President** at Rotaract club, R.V.C.E - Supervised 2000+ members, directed 50+ events, winning 10 regional-level awards. Mastered strategic planning, fund-raising, communication, delegation, and collaboration skills.

RELEVANT COURSE PROJECTS

- Engineered and implemented an algorithm to minimize lane wait time based on vehicle numbers for a smart city project.

- Devised an auto scaler for a given image recognition service using **AWS services** (EC2, S3, SQS, CloudWatch and Autoscaling) to scale out and in up to 20 instances based on SQS queue length.