NEIL JOSEPH

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Summary

I am your friendly neighbourhood Software Engineer, based in New Delhi, India. Switching tabs for over 6 years now in the industry, my 'spidey senses' work best while debugging code.

WORK EXPERIENCE

Engineer/ Scrum Master – Unisys, Gurugram, HR   **Aug 2021 – Present**

- **Designed and implemented** Unisys DORADO system firmware package manager, **streamlining the management** of server adapter and hardware firmwares and contributing towards **$20M in revenue**.
- **Integrated** TLS v1.3 using the SChannel security package across all communication pathways within a legacy application, effectively **mitigating** security **vulnerabilities**.
- **Directed** the work of 8 developers across **two** product teams based in Bangalore-India, and Eagan-USA, **driving** product development and ensuring cohesive team **performance**.
- *Technologies and Tools used: C++, BASH Scripting, JENKINS, Linux (CentOS7, CentOS9, SUSE), Dell Poweredge Servers, JIRA (Scrum Board), Tortoise SVN (GIT)*

Associate Engineer – Unisys, Bengaluru, KA   **Jul 2019 – Aug 2021**

- **Developed** an API-automation test suite, **eliminating 100% manual efforts** for API testing.
- Wrote **500+ test cases** and achieved **65% code coverage** with a QUALYS scan SAFE rating.
- **Developed** an Envelope Encryption Utility, protecting customer's personal information and ensuring **compliance** with Federal Information Processing Standards (FIPS).
- *Technologies and Tools used: C#, .NET Framework v4.8, SQL (MariaDB), NUnit, SPA.js, HTML, CSS, Dapper ORM, Postman - API Automation Testing, SonarQUBE, BitBucket (GIT)*

Intern - Unisys, Bengaluru, KA   **Dec 2018 – Mar 2019**

- **Identified** and evaluated open-source databases (MariaDB, MySQL, PostgreSQL) as replacements for Oracle DB, reducing subscription costs, while maintaining system performance via a Java-based benchmarking tool.
- **Refined** queries and ensured seamless data migration from Oracle to the selected open-source database, successfully preventing data loss and enhancing query performance for smooth operations.
- **Analyzed** performance metrics for bulk queries, data import/export, and data type compatibility via a self-developed benchmarking tool using Java providing key insights to stakeholders and facilitating data-driven decision-making for database transition.
- **Integrated** the selected database into a microservice within the product architecture, optimized performance**,** and conducted knowledge transfer sessions, resulting in a full-time employment offer
- *Technologies and Tools used: MariaDB, MySQL, PostGRESQL, OracleDB, JAVA, Hibernate, SOAP, XML*

CERTIFICATIONS

Certified Scrum Master (CSM) - SCRUM ALLIANCE   **Apr 2023-25**

- Certificant ID: 001515646

EDUCATION

Birla Institute Of Technology And Sciences, Pilani, India   **Jan 2021 – Jan 2023**
Masters In Technology - Software Engineering   **CGPA – 7.33/10**

Christ (Deemed To Be University), Bengaluru, India   **Jun 2015 – Apr 2019**
Bachelors In Technology: Computer Science And Engineering   **CGPA – 3.2/4**

EXTRACURRICULAR ACTIVITIES

Founder - Unisys Is Agile Group At Unisys   **Jun 2024**

- Built a community of Product Owners and Scrum Masters to exchange strategies, practices, and experiences on implementing Agile best practices, promoting AGILE through internal social media, training materials, and Scrum coaching.

Technical Core Member – Clearpath AI Focus Group At Unisys   **Jan 2024 – Dec 2024**

- Leveraged generative AI expertise to guide organizational PoC implementations across various product teams within one business unit.

Secured 3rd position out of 150 submissions in the Unisys White-Paper Challenge   **Mar 2020**

- Proposed a proactive NLP solutionthat predicts and prevents misdirected emails by contextual analysis of email content and recipient relevance, minimizing the risk of data leaks and compliance violations.

Placed in the top 0.05% of innovators across India, ranking #4 out of 8,048 participants at Unisys Cloud 20/20 Y9   **Apr 2018**

- Developed HOLOTOUCH, a device that transforms any flat surface into an interactive computer interface.

LANGUAGES

HINDI: Native
ENGLISH: C2