Kushan Devarajegowda

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EDUCATION:

Master's degree in Computer Science, The State University of New York, Buffalo, NY, USA **Aug. 2022 – Dec. 2023 (Expected)**

Courses: Distributed systems, Information retrieval, Machine learning, Database systems, and Algorithms for modern computing.

Bachelor's degree in Computer Science, The Oxford College of Engineering (VTU), Bangalore, India **Aug 2013 – Jul 2017**

Courses: Operating systems, Software engineering, Database systems, JAVA & .Net programming, Unix, Compiler design, Computer networks, OOPS in C++, and Design of data structures and advanced algorithms.

TECHNICAL SKILLS:

Programming: C, C++, C#, Java, Python, Golang, and JavaScript.
Web Technologies: RESTful API development, .Net MVC, Windows IIS server, Django, Flask.
Database & Cloud: MSQL, DynamoDB, MongoDB, PostgreSQL, Apache Kafka, Redis, AWS, Azure, and Google Cloud services.
Others: Data structures, Design patterns, System Design, Microservices, Jira, Agile, TDD, SDLC, CI/CD, IAM, and Multithreading.

WORK EXPERIENCE:

Amazon, Seattle, WA, United States **Software Development Engineer Intern** **May 2023 – Aug. 2023**

- Contributed to a high-impact and transformative project at Amazon, effectively utilizing advanced machine-learning models for risk identification and spam removal in retail product listings across the globe.
- Developed a robust, scalable API service for efficient product integration into risk evaluation pipeline and real-time result tracking.
- Employed serverless architecture utilizing AWS Fargate and DynamoDB, which reduced operational costs by 20% while bolstering scalability and resource efficiency.

VMware, Bangalore, KA, India **Member of Technical Staff 3** **Feb. 2022 – Aug. 2022**

- Part of VMware Workspace ONE development, focusing on improving the digital platform's user experience and scalability.
- Achieved a significant reduction in latency by optimizing database queries, resulting in a 30% decrease in response time.
- Assisted in transforming the product into a Software as a Service (SaaS) offering, ensuring seamless deployment, scalability, and adaptability to meet diverse client requirements.

Philips, Bangalore, KA, India **Software Engineer 2** **May 2020 – Jan. 2022**

- Worked collaboratively on an IoT data collection project, focusing on enhancing the efficiency of data transfer from clinical devices, while also enabling predictive analysis of device failure, leading to proactive maintenance.
- Led the comprehensive development of unit and integration tests for remote data transfer, covering 100% of testing needs, and reducing testing time by 25%.
- Took the initiative to document and present "Better Programming Hacks" to the development team, contributing to a 20% acceleration in the code review lifecycle.

One Identity LLC, Bangalore, KA, India **Software Developer** **Aug. 2017 – Apr. 2020**

- Played a crucial role in strengthening system security through the development and integration of advanced authorization services. Helped safeguard sensitive data from unauthorized access, contributing to the company's leadership in IAM solutions.
- Implemented federated authentication by integrating with Azure Active Directory, enhancing security and user management.
- Built caching mechanisms for distributed microservices aimed at efficient user info retrieval, resulting in a 30% decrease in web latency and improved response times for OTP challenges, thereby bolstering system performance and scalability.

RELEVANT PROJECTS:

- ***PuppyWorld.in:*** Architected and developed an integrated, end-to-end cloud-based pet service platform featuring breed identification, encyclopedia, e-commerce capabilities, community forum, and adoption portal. Utilized technologies such as .Net Core web services, MongoDB, Redis, Azure Cloud Services, and ML.Net to deliver a comprehensive solution.
- ***Distributed File Storage System***: Developed a robust, scalable, and fault-tolerant distributed file storage system using Go. Enhanced system reliability and performance by utilizing consistent hashing, data replication, advanced recovery mechanisms, and efficient data storage and retrieval strategies across distributed nodes.

AWARDS & ACHIEVEMENTS:

- Received the *"Take Ownership to Deliver Fast*" award twice at Philips for consistently exceeding expectations and delivering high-quality deliverables in 2021.
- Received the *"Eager to Improve & Inspire"* award at a Philips hackathon for presenting and implementing the top-rated idea in 2020.