Kushan Devarajegowda

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WORK EXPERIENCE:

VMware, Bangalore, KA, India   **Software Development Engineer III (MTS 3)**   **Feb 2022 - Aug 2022**

- Enhanced the performance and user experience of VMware Workspace ONE, a distributed cloud service, for a smoother and more efficient digital workspace solution.
- Improved system performance by conducting *detailed analysis and optimization of database queries and API calls*, reducing API response times and more efficient user interactions.
- Engaged in collaborative code reviews and *mentored junior developers, enhancing code quality and team skill sets*.
- Actively participated in the design reviews and *addressed design flaws to ensure the product's adaptability and scalability challenges.*
- Took charge of fixing critical bugs and new feature development, *quickly resolving issues and ensuring system reliability*.

Philips, Bangalore, KA, India   **Senior Software Engineer**   **May 2020 - Jan 2022**

- Collaboratively worked on an IoT data collection project focused on clinical devices, *enhancing efficiency, and enabling predictive analysis of device failure.*
- Achieved 100% test coverage through unit tests and *further optimized testing by reducing effort by 40% via integration tests, resulting in a 25% time saving in the testing phase.*
- Worked on serverless batch data processing and storing, *offering a scalable and cost-effective solution for clinical data.*
- Implemented a remote service for device management, *facilitating real-time updates and remote troubleshooting.*
- Developed an auto-updates portal, *ensuring devices remain up to date with the latest firmware and security patches.*
- Handled autoscaling of cloud resources, *ensuring optimal performance during peak loads.*

One Identity, Bangalore, KA, India   **Software Developer**   **Aug 2017 - Apr 2020**

- Strengthened system security with advanced authorization, *reinforcing the company's leadership in IAM.*
- Integrated federated authentication using Azure Active Directory, *enhancing user security and management.*
- Added caching strategies for STS microservice, *reducing API latency by 30% and improving user experience.*
- Incorporated role-based access control (RBAC) through *OAuth 2.0, refining user permissions and security by ensuring users operate with the minimum necessary privileges.*
- Developed connectors for third-party vendors, *enabling seamless service utilization and expanding product compatibility.*
- Integrated Twilio for OTP, call, and push notifications, *enhancing user authentication and streamlining communication workflows.*
- Architected and deployed enterprise Radius authentication service, *further enhancing network security and user management.*

EDUCATION:

Master's degree in Computer Science, The State University of New York, Buffalo, NY, USA   **Aug 2022 - Dec 2023**
Relevant Coursework: Distributed systems, Information retrieval, Machine learning, Database systems, Advanced data structures

Bachelor's degree in Computer Science, The Oxford College of Engineering (VTU), Bangalore, India   **Aug 2013 - Jul 2017**
Relevant Coursework: Operating systems, Software engineering, DBMS, Compiler design, Network security, and Data structures.

TECHNICAL SKILLS:

Programming Languages: C, C++, C#, Java, Python, Go, TypeScript, JavaScript.

Web Development: REST APIs, gRPC, Protobuf, Spring Boot, .Net Core, .Net MVC, ASP.NET, Django, Flask, Node.js.

Database Systems: MySQL, Cassandra, MongoDB, PostgreSQL, NoSQL, Redis, Relational Database.

Cloud Platforms: AWS, Azure, GCP, Apache Kafka, Spark.

Software Practices & Principles: Algorithms, Design Patterns, Object-Oriented Programming, Microservices, SDLC, STLC, SaaS

Tools & Methodologies: Git, Jira, Confluence, Scrum, Agile methodologies, Jenkins, Docker, Kubernetes, Continuous Integration and Deployment, JUnit, Unit test, Integration test, Test automation, Shell Scripting, Version Control

RELEVANT PROJECTS:

PuppyWorld.in: Spearheaded a complete cloud-based pet service platform. Features include breed identification, an encyclopedia, e-commerce, forums, and an adoption portal. Built with .Net Core, MongoDB, Redis, Azure, and ML.Net.

Distributed File Storage System: Developed a high-performance distributed storage system in Golang. Features include consistent hashing, data replication, and strategic storage/retrieval across distributed nodes.

NYCANX: Played a pivotal role in shaping the New York Cannabis Exchange, a B2B auction site for cannabis products. Modeled after eBay, it facilitates seamless trading for growers and buyers. Developed with React.js, Django, MySQL, and hosted on AWS EC2 and RDS.

AWARDS & CERTIFICATIONS:

- AWS Certified Cloud Practitioner Certification, 2023.
- Microsoft Certified: Azure Developer Associate, 2023.
- Google Cloud Certified Professional Cloud Developer, 2023.
- Won first place in the Capstone project among 30+ teams at the University at Buffalo, for the development of the **NYCANX**, 2023.
- Honored with "Take Ownership to Deliver Fast" award twice at Philips for consistently exceeding expectations and delivering high-quality deliverables, 2021.
- The Scaled Agile Framework® (SAFe®) 5 Practitioner Certification, Scaled Agile, Inc, 2021.
- "Eager to Improve & Inspire" award at Philips hackathon for presenting and implementing AI Chatbot in 2020.