

Kushan Devarajegowda

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EDUCATION:

Master's degree in Computer Science, The State University of New York, Buffalo, NY, USA **Expected 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, Database systems, JAVA & .Net programming, and Data structures.

TECHNICAL SKILLS:

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

Web Development: RESTful API development, .Net Core, .Net MVC, ASP.NET, Django, Flask, Node.js, React.

Database Systems: MySQL, DynamoDB, MongoDB, PostgreSQL, Redis.

Cloud Platforms: AWS, Azure, Google Cloud services, Apache Kafka.

Software Practices & Principles: Data structures, Algorithms, Design patterns, System Design, Microservices, OAuth2.0.

Tools & Methodologies: Jira, Confluence, Scrum, Agile methodologies, TDD, SDLC, CI/CD, IAM, Multithreading, SOLID principles.

WORK EXPERIENCE:

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

- Contributed to a transformative project, leveraging machine-learning for global risk identification in retail listings.
- Developed an efficient API service for product integration into the risk evaluation pipeline.
- Employed AWS Fargate and DynamoDB for a serverless architecture, cutting operational costs by 20%.
- Achieved 99% code coverage with comprehensive unit tests for the API service.

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

- Enhanced the digital platform's user experience and scalability for VMware Workspace ONE.
- Reduced response time by 30% by optimizing database queries.
- Transitioned the product into a SaaS offering, ensuring adaptability and scalability.
- Set coding standards within the team and conducted regular code reviews.

Philips, Bangalore, KA, India **Senior Software Engineer** **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.
- Developed unit and integration tests for data transfer, achieving 100% coverage and cutting test time by 25%.
- Established CI/CD pipelines with Azure DevOps, enhancing development efficiency by 30%.
- Introduced "Better Programming Hacks", speeding up the code review process by 20%.

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

- Enhanced system security with advanced authorization, reinforcing the company's leadership in IAM.
- Integrated federated authentication using Azure Active Directory, optimizing user security and management.
- Designed caching for microservices, reducing web latency by 30% and improving OTP response times.
- Led maintenance, addressing critical bugs to ensure system performance and reliability.

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.

Info Retrieval Chatbot: Designed a versatile chatbot hosted on Google Cloud. It uses the S-BERT algorithm for query matching, real-time query analytics, and visual charts, ensuring natural conversations and smart recommendations.

AWARDS & CERTIFICATIONS:

- First place in the Capstone project among 30+ teams at the University at Buffalo, for the development of the NYCANX, 2023.
- Received the "Take Ownership to Deliver Fast" award twice at Philips for consistently exceeding expectations and delivering high-quality deliverables in 2021.
- SAFe Agile 5 Practitioner, Scaled Agile, Inc, 2021.
- Received the "Eager to Improve & Inspire" award at a Philips hackathon for implementing the top-rated idea in 2020.