

# 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**  
*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:** Java, C, C++, C#, Python, Golang, TypeScript, JavaScript, Scala.

**Web Development:** REST APIs, .Net Core, .Net MVC, ASP.NET, Django, Flask, Node.js, Spring Framework.

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

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

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

**Tools & Methodologies:** Git, Jira, Confluence, Scrum, Agile methodologies, Jenkins, Continuous Integration and Deployment, JUnit, Shell Scripting, Version Control

## WORK EXPERIENCE:

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

- Participated in a transformative project leveraging ML, *achieving large-scale, accurate risk evaluation in retail listings.*
- Engineered a scalable API service, *enabling efficient bulk product integration into the risk evaluation pipeline.*
- Created a user-centric web interface, *offering real-time tracking and reporting of risk evaluations.*
- Initiated an automated email notification system, *keeping users abreast of their product evaluation statuses.*
- Adapted and executed within a fast-paced environment, *delivering a complex project on a tight deadline.*
- Utilized serverless architecture with AWS Fargate *enhancing system scalability while cutting operational costs by 20%.*
- Achieved 99% code coverage through comprehensive unit testing, *bolstering the reliability of the API service.*

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

- Enhanced the user experience and performance for VMware Workspace ONE, *achieving a more user-friendly and robust system.*
- Conducted performance analysis and optimized numerous database queries, *resulting in more efficient user interactions and noticeably faster system response times.*
- 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 feature development, *swiftly resolving issues and ensuring system reliability.*
- Took charge of fixing critical bugs and handling high-priority tickets, *swiftly 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.*
- Designed caching for microservices, *reducing API latency by 30% and improving OTP response times.*
- Led maintenance initiatives, *ensuring system performance and reliability.*
- 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.*

## 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
- Google Cloud Innovator Plus, 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 in 2021.
- "Eager to Improve & Inspire" award at Philips hackathon for presenting and implementing AI Chatbot in 2020.
- SAFe® 5 Practitioner, Scaled Agile, Inc, 2021.