

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: HTML, CSS, Backend, RESTful API development, .Net MVC, Windows IIS server, Django, Flask.

Database & Cloud: SQL, NoSQL, MongoDB, PostgreSQL, Apache Kafka, Redis, Microservices, AWS, Azure, and Google Cloud.

Others: Design patterns, OOPS concepts, Operating system internals, Jira, Agile, TDD, SDLC, CI/CD, IAM, and Multithreading.

WORK EXPERIENCE:

VMware, Bangalore, India

Member of Technical Staff 3

Feb 2022 – Aug 2022

- Optimized complex database queries and developed new API support, resulting in a 50% increase in concurrent user capacity and enhanced user analytics dashboard.
- Collaborated with product owner to clarify requirements and deliver features aligned with business objectives and customer needs.
- 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, India

Software Engineer 2

May 2020 – Jan 2022

- Designed and implemented a scalable distributed cloud data transfer framework, resulting in a 200% improvement in application traffic handling and user demands.
- Developed in-house end-to-end testing tool for remote data transfer framework, achieving a 50% reduction in testing time and 30% increase in test result accuracy.
- Presented "Better Programming Hacks" to development team, leading to a 10% reduction in code errors and 20% faster code reviews.

One Identity LLC, Bangalore, India

Software Developer

Oct 2018 – Apr 2020

- Enhanced system security by developing OAuth, push notification 2FA, and MFA authorization features, resulting in a 95% reduction in unauthorized access attempts.
- Implemented caching mechanisms for distributed microservices, achieving a 30% reduction in web request latency and improved system performance and scalability.

Applied Materials, Bangalore, India

Software Engineer

Aug 2017 – Sep 2018

- Developed real-time simulation software features with expertise in C, C++, Algorithms, Data Structures, and Socket programming.
- Contributed to test automation framework enhancement for testing robust, real-time robotic software, resulting in more efficient and accurate testing processes.

RELEVANT PROJECTS:

- PuppyWorld.in:** Developed end-to-end monolith cloud pet service website with breed finder, breed wiki, essentials shopping, online community forum, and adoption portal using .Net Core web service, MongoDB, Redis, Azure cloud services, and ML.Net.
- AI-Powered Chatbot:** Developed an advanced AI chatbot utilizing Microsoft Bot Framework, Machine Learning algorithms, and Neural Networks for sophisticated user interaction and complex problem-solving. This innovative project was awarded "Best Innovation Idea" at the Philips India hacking contest.
- Distributed File Storage System:** Developed a scalable, fault-tolerant distributed file storage system using Go, leveraging consistent hashing, data replication, and recovery mechanisms. Enhanced data storage and retrieval efficiency across nodes, resulting in improved system reliability and performance.

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.