Sukin Kumar Krishnasamy

470-269-9268 sk119@illinois.edu linkedin.com/in/sukin-kumar

Education

University of Illinois at Urbana-Champaign **Aug 2022 – Dec 2023**
Master of Computer Science; Cumulative GPA: 4.00/4.00 *Champaign, Illinois*

College of Engineering, Guindy **Aug 2015 – Apr 2019**
Bachelor of Engineering, Computer Science; Cumulative GPA: 8.82/10.00 *Chennai, India*

Technical Skills

Programming Languages: C, C++, Java, Python, Javascript, Go, GraphQL, HTML, CSS, Sass, REST APIs, gRPC
Databases: SQL (MySQL), NoSQL (MongoDB, GraphQL, Firebase, Redis)
Frameworks/Libraries: React, Node, RabbitMQ, Elastic Search
Tools: Docker, Git, Jenkins, Azure, GCP, AWS, Figma, Apache Tomcat, Nginx, Unix, Bash

Experience

Myntra(Subsidiary of Walmart) **Jul 2019 – Jul 2022**
Senior Software Engineer *India*

Business Continuity Plan and Disaster Recovery | *Kubernetes, Javascript*
- Implemented a robust BCP and DR strategy for a customer-facing application using **Kubernetes** by incorporating multi-cluster architecture, data replication, and global load balancing for **40 servers**
- The migration helped maintain the health of the overall system and the **hardware augmentation costs were cut by 75%**
- Designed and executed **real-time auto-scaling** in a Kubernetes environment, optimizing resource utilization and ensuring seamless application performance during fluctuating workloads and peak traffic periods

Agent-Assisted Delivery Tracking | *Javascript, Elasticsearch, Go, GraphQL*
- Spearheaded the development of the Call Style Delivery Agent feature, enabling customers to effortlessly inquire about their products during the delivery process.
- Leveraged **GraphQL and Elasticsearch** to develop a secure communication solution that integrated call masking and two-factor authentication, ensuring customer privacy and safeguarding sensitive information during interactions with delivery agents
- Successfully achieved a **30% adoption rate among customers**, reflecting the positive impact and reception of the feature, resulting in improved customer satisfaction and engagement

Garment Modification | *React, Go, GraphQL*
- Pioneered the design and development of the Alteration of the clothes on the Orders Page, harnessing React, Node, GraphQL, and Golang to architect a comprehensive suite of APIs for efficient CRUD operations
- This feature processes over **10,000 alteration requests daily**, driving substantial **revenue of $9,000 per day** and fueling platform growth

Multi-Seller Exchange | *RabbitMQ, Go, GraphQL*
- Designed and developed multi-seller exchange, enabling customers to seamlessly exchange products with various sellers
- Leveraged **RabbitMQ** as a message broker, Go, and GraphQL to create a robust and efficient system
- This innovation led to a significant **reduction in Return to Origin by 15%**, driving increased revenue and enhancing customer satisfaction

Academic Projects

Speech Powered C Compiler | *Python, NLP, BOT API, Google Speech-To-Text*
- Designed an award-winning **voice-activated C programming code editor** leveraging advanced natural language processing techniques
- This innovative tool empowers coders with customizable features to accelerate program development, enhancing productivity and efficiency
- Recognized by the University with the prestigious **Best Project Award** for outstanding technological innovation and positive community impact

AI-driven Interview Success Accelerator | *Python, Flutter*
- Analyzed job descriptions and provided personalized content recommendations, such as relevant projects, online courses, and tutorials, along with tailored suggestions and progress tracking to boost candidate knowledge and skills in alignment with job requirements.
- Utilized **Python-based web scraping** techniques to gather extensive job data, powering the interview preparation application's recommendation engine, and built an innovative web application with **Flutter** to transform job seekers' interview preparation experience using advanced recommendation algorithms