

Kaushik Golithadka

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Key Takeaway:

- Passionate and results-oriented software engineer with **3+ years of experience** in **back-end and front-end** of cloud-native, scalable application development.
- Proven track record of delivering high-quality, secure solutions on time and within budget.
- Skilled in a variety of technologies, including **Python, Java, ReactJS, GraphQL, REST APIs, AWS, Docker, Spring** and **Kubernetes**.

WORK EXPERIENCE

Software Engineer, Intern | Autodesk, San Francisco, US May 2023-Present

- **Improved AutoCAD application's response time by 10%** through new features using Python, ReactJS.
- **Reduced API response time by 25%** by building 30+ **GraphQL** APIs integrated with AWS services like DynamoDB and Lambda, enabling seamless communication and efficient data management.
- Increased throughput and **handled 25% more concurrent** user requests by containerizing and deploying the app on **Kubernetes** in a large-scale Amazon Web Services (**AWS**) infrastructure.

Graduate Research Assistant (RA) | University of Southern California, US Sept 2022-May 2023

- Skilled in **Sleep pattern recognition** and **data analysis** using PyTorch, Matplotlib, and Python.
- **Led a team of 20** in **organizing events** that raised awareness and funds for **African-American elders**.
- Collaborated on research projects with USC, UCLA, and UCI, resulting in **new insights** into sleep patterns.

Senior Software Engineer | Micro Focus, Bangalore, India Feb 2019-Aug 2022

- Achieved **10X increase in processing capacity** with Anti-Malware **Full Stack** application, resulting in improved system performance and reduced response times.
- **Mastered REST APIs** with 100+ endpoints and implemented technical transformation using ReactJS, **Spring Boot, Java 8, AWS, Docker**, microservices displaying Anti-malware data from databases.
- **Improved efficiency by 4X** through Task-let-based Micro Service design, utilizing System Design Concepts and DB Bulk Copy. Supported negotiation, team collaboration, and assisted in proposal drafting.
- **Led a team** of software engineers to design and develop, **resulting 20% reduction** in development time.
- Automated builds and improved functionality of the anti-malware micro-service through CI/CD scripts using Jenkins, **reducing 600 hours** of manual workload yearly.
- Awarded **ZENWorks Star of 2021** and **Dream Team in 2022** for contributions to the anti-malware project.

TECHNICAL SKILLS

- **Languages:** Python, Java, Angular, NodeJS, React, HTML, CSS, C#, C++, C, JavaScript, Typescript, R, Go.
- **Frameworks:** Docker, Micro services, Jenkins, CI/CD, Kafka, Kubernetes, AWS, Git, Android, Generative AI
- **Technologies & DB:** JSON, RESTful, AJAX, Spring Boot, Flask, OracleDB, MongoDB, NoSQL, SQL, Postgres
- **Libraries:** PyTorch, Matplotlib, Scikit-learn, Pandas, Keras, NumPy TensorFlow, SciPy.
- **Skills:** Strong analytical skills and problem solving skill, root cause analysis, creative thinking, cloud computing, user experience, software design, familiarity with current technologies, adaptable, dynamic.

PROJECTS

- **Ticket Master Web App-** TicketMaster, Google location, map APIs, **NodeJS, Angular** stack on **Google Cloud**.
- **Fashion Recommender- Recommender system** to Detects and Identify apparel from images and recommends apparel based on the user's likes - **Deep learning, Computer Vision**.
- **Food Recommender Bot-** Mobile Chatbot App using natural language to recommend fine dining based on the User's preference of cuisine, location, and pricing - **Machine learning, Natural Language Processing**.

EDUCATION

Master of Science in Computer Science | University of Southern California, LA, CA Aug 2022-May 2024

Advanced Algorithms, Web Technologies, Deep Learning and its AI applications, Database Systems. **GPA-3.75/4.0**

Bachelor of Engineering in Computer Science | Bangalore University, India. Aug 2015-Jun 2019

OS, DBMS, Data Structures, Graph Algorithms, Web dev. **Gold Medal - Top 10, Dean's Merit List.** **GPA-3.9/4.0**

LEADERSHIP & INVOLVEMENT

- **Teaching Assistant (TA)** and **Class Representative** at Bangalore University.
- **Directed** Culture Festival with 10K+ attendees. Managed Cross-Functional Leadership with a team of Event Organizers & Volunteers. **Secured 8 Sponsors** covering 85% of the total budget.
- Organized Team Mentoring, Team Motivation, Team Support, and Counseling sessions & GHC 23.