Gaurav Abhay Desai

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Education

California State University – Fullerton, CA, USA   Aug 2024 – Present
Master of Science, Major in Computer Science

Centre for Development of Advanced Computing, India   Feb 2022 - Oct 2022
Post Graduate Diploma in Advanced Computing

University of Mumbai, Fr. Conceicao Rodrigues College of Engineering   Aug 2009 - Jun 2013
Bachelor of Engineering, Major in Information Technology

Experience

Software Developer, Motilal Oswal Financial Services Ltd. – Mumbai, India   Nov 2022 – Jun 2024
- Contributed to core module development for a high-performance trading platform, integrating Kafka and Solace using Go to reduce latency by 20%. Created a Database Writer for risk management using Redis and SQL modes, and developed a trading components discovery module with TCP/IP and UDP implementation.
- Developed a client-side Risk Management System (C#), configured Kafka for real-time message queuing, and utilized Elasticsearch with the ELK stack. Built demo trade generators for smooth UI emulation.

Process Associate, CHCS Services Inc. – Mumbai, India   Sep 2021 - Nov 2021
- Maintained databases for US healthcare clients, ensuring data security and integrity. Conducted routine optimizations and system checks to ensure seamless data operations.

Partner, Jaldoot Enterprises Ltd. – Thane, India   Oct 2013 – Jul 2021
- Managed day-to-day operations, finances, and personnel. Launched a sub-broking business unit offering wealth management services through derivatives trading, diversifying revenue sources.
- Digitized financial and inventory records from traditional bookkeeping methods. Developed an application for efficient personnel tracking.

Projects

Personnel Tracking App
- Built a robust C# application using N-tier architecture for comprehensive employee management, including roles, departments, tasks, and salaries. Integrated admin-controlled task approval, real-time employee tracking, and secure payroll management. Tech: C#, .NET, WinForms, DevExpress, MS-SQL

E-Adoption Portal
- Engineered a secure online adoption system with Java Spring Boot and React, featuring role-based access for users and administrators, streamlined adoption processes, and real-time orphanage management. Tech: Java Spring Boot, React.js, MySQL

BlogSphere
- Built a dynamic full-stack blog platform with seamless content management, admin panel, user engagement, and a responsive interface for easy interaction. Tech: MongoDB, Express.js, React.js, Node.js., JWT.

Technical Skills

Languages: Python, Java, C#, C++, JavaScript, Golang, Bash scripting
Frameworks/Libraries: .NET, SpringBoot, React.js, Node.js, Express.js
Databases: MySQL, MS SQL Server, Postgres, Redis, MongoDB
Tools/DevOps: Kafka, Solace, ElasticSearch, Prometheus, Grafana, Docker, Kubernetes, Ansible, Jenkins
Version Control: Git, Gitlab, GitHub, TFS