KUSHAL MARADANA

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EDUCATION

National Institute of Technology, Warangal	**July 2019 – May 2023**
Bachelor of Technology in Metallurgical and Materials Engineering	*CGPA: 6.66 / 10*
Sri Chaitanya Junior College, Visakhapatnam	**May 2017 – May 2019**
Board of Intermediate Education, Andhra Pradesh	*CGPA: 9.56 / 10*
Sri Sathya Sai Gurukulam, Rajahmundry	**May 2016 – Mar 2017**
ICSE Board	*Percentage: 89.2%*

EXPERIENCE

Leoforce Pvt. Ltd.   **July 2023 – Present**
Software Engineer   *Hyderabad, India*

- Designed and implemented multiple end-to-end features across web applications using **ReactJS**, **Next.js**, and **.NET**, improving product functionality and user engagement.
- Developed and optimized **data-driven UI components** and reusable modules to enhance scalability, maintainability, and responsiveness.
- Built dynamic front-end features with strong API integration and implemented performance optimization strategies to improve client-side rendering.
- Integrated **real-time communication** using WebSockets for live chat and data synchronization features, ensuring smooth and responsive user experiences.
- Implemented secure file upload, retrieval, and download flows using **AWS S3** and optimized backend communication for faster data access.
- Collaborated with cross-functional teams to design REST APIs, manage data flows, and ensure consistent front-end and back-end integration.
- Worked on PDF generation and automation features, leveraging **HTML-to-PDF rendering** and Base64 encoding for browser-based downloads.
- Contributed to architectural discussions, improving feature reliability and reducing development time through modular code practices.
- Utilized **OpenAI Agents SDK** to build intelligent agents, including an **Autopilot feature** that plans and executes tasks for users, enhancing productivity and user experience.
- Integrated **Google Indexing API** and **Bing Indexing API** to automatically submit and update job postings on search engines, improving discoverability and SEO ranking of our career site.
- Worked on an event-driven architecture leveraging **RabbitMQ**, where the microservice published and consumed events for job updates and notifications. Also implemented a scheduled **cron job** that dynamically generated and uploaded XML files to ensure Google crawlers always had the latest job listings for indexing on **Google for Jobs**.
- Integrated **Amazon Cognito** for user authentication, implementing a custom **Lambda trigger** to handle sign-ups from third-party **OIDC providers** such as Google and LinkedIn, effectively enabling **"Sign up with Google"** functionality across the system.
- Worked with **Elasticsearch** to index job-related data for faster and more efficient search and retrieval operations, improving performance and scalability of internal search services.

Goldman Sachs   **May 2022 – July 2022**
Summer Intern   *Bangalore, India*

- Worked with Goldman's proprietary language **Slang** for data processing and analytics.
- Developed interactive dashboards using **ReactJS** to visualize processed data and deployed the solution to production.
- Gained exposure to large-scale data systems, debugging tools, and collaborative version control workflows.

TECHNICAL SKILLS

Languages: C++, SQL, JavaScript, Python.
Frameworks/Libraries: ReactJS, Next.js, Express, .NET, Ant Design, dayjs.
Databases: MySQL, MongoDB, Elasticsearch.
Concepts: Data Structures and Algorithms, OOP, DBMS, Event-Driven Architecture, WebSockets, REST APIs, OIDC, Authentication.
Tools/Platforms: AWS S3, Amazon Cognito, Git, Kubernetes, Docker, RabbitMQ, OpenAI Agents SDK, Google Indexing API, Bing Indexing API.