ABHISHEK GATTINENI

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California State University, Long Beach (MSCS, GPA: 3.5/ 4.0)   Long Beach, CA

Vidya Jyothi Institute of Technology (Bachelors, GPA: 3.2/ 4.0)   Hyderabad, India.

TECHNICAL SKILLS

Languages: Python, Django, JavaScript, SQL, Typescript, C, C++, HTML5, CSS3, Redux, Jest, Storybook and React Testing Library.
Frameworks: Express, Material UI, Bootstrap, Tailwind CSS, React JS.
Tools: Git, GitHub Actions, Jenkins, SonarQube, BlackDuck, AppDEUM, APIGEE, Figma, Splunk, AWS, Webpack, Babel, DockerHub.
Experienced: Object-Oriented Programming Design, Functional programming, Algorithm design, Data Structures, Design Patterns, Android development, Test-driven development, RESTful API's, Agile and Waterfall, GraphQL Patterns.

EXPERIENCE

C3 AI.   San Francisco, CA.

Senior Application Developer   *Jan 2024 – Present*

- Contribute to the design, development, and maintenance of the UI component library for the C3 AI Platform, enabling enterprise-scale AI applications across industries.
- Worked on products like reliability and PSO (Production Schedule Optimization) in C3.ai, expanding and maintaining the UI component library to provide reusable components across various applications.
- Write clean, efficient, and reusable code, adhering to the best practices of modern front-end and back-end development.
- Collaborate closely with cross-functional teams, including Product Management, UX Designers, and Back-End Engineers to develop high-quality UI components that meet functional and aesthetic requirements.
- Ensure the implementation of UI components follows pixel-perfect design, accessibility best practices, and performance.
- Lead technical design discussions on application architecture to enhance user experience and scalability.
- Mentored junior engineers, providing guidance on coding standards, accessibility, and performance optimization.
- Worked on QA enhancement and UI PSR (Performance, Scalability, Reliability) testing, ensuring products meet SLA.
- Developed and maintained custom types in the C3 AI platform environment to support feature flexibility and scalability.
- Contributed to feature enhancements, new developments, and bug fixes in front-end and back-end using React and Python.

Fractal AI.   San Francisco, CA.

Senior Full Stack Developer   *Jan 2024 – Present*

PROJECT ECOMMERCE SYSTEM FOR B2B:

- Contributed to the MVP of a self-hosted e-commerce website for small businesses, accessible globally based on user location.
- Supported the B2B Fractal plan, enabling businesses to build their own websites using the platform.
- Developed a platform with three interfaces for Users, Store Managers, and Delivery Partners, allowing users to order based on radius.
- Enabled Store Managers to handle orders, inventory, and delivery tasks through their dedicated interface.
- Provided Delivery Partners with a separate interface to manage available delivery tasks.
- Worked on database modeling and design using ERASER.AI for the platform.
- Used React JS, React Query, MUI, Fast API, Django, GraphQL, and Strawberry for frontend and backend development.
- Assisted in setting up AWS infrastructure for development, testing, and production to ensure flexibility.
- Currently working on a mobile app for the platform, collaborating with customers to support business growth.

Demo Link: Link   DB Modeling Link: Link

POS System for Retail Billing (PoC):

- Designed intuitive UI/UX using React and Material-UI, creating wireframes and prototypes in Figma to ensure a user-friendly billing interface for store staff.
- Led the development of a proof-of-concept Point of Sale system for stores as a product of Fractal, focusing on streamlined billing processes for retail environments.
- Integrated Google OAuth for secure user authentication, enabling seamless and safe login for store employees accessing.
- Developed the backend using Node.js, implementing RESTful APIs to handle billing transactions and user data efficiently.
- Utilized Google Firebase as the database, enabling real-time data storage and retrieval for transactions while optimizing performance for the PoC.

Demo Link: Link (user id: demo, password: DM Abhishek)   UI/UX Designs: Link

Wells Fargo.   *Los Angeles, CA.*
MERN Stack Developer   *June 2022 – Jan 2024*

- Developed **React applications** with reusable components using **TypeScript** and **Material UI**, translating Figma designs into UI
- Managed **CI/CD pipelines** via **Jenkins**, monitoring coverage with **SonarQube** and addressing security vulnerabilities with **BlackDuck**. Integrated **AppDynamics EUM** for screen logging and performance monitoring.
- Integrated **Advisory Gateway** and onboarded the application to **SPLUNK** for error log monitoring.
- Developed and integrated multiple **APIs** using **Node.js**, interfacing with **MongoDB** for data storage and retrieval. Stored frequently accessed data in MongoDB based on **JAVA API** responses.
- Integrated **PING** and **APIGEE** for user authentication via internal **SSO**.
- Spearheaded the transition to **microservices architecture**, ensuring modularity and scalability of the backend.
- Collaborated closely with UX/UI teams, converting feedback into actionable improvements, enhancing user experience.
- Developed **CI/CD workflows** using **GitHub Actions** to automate build, test, and deployment processes, improving deployment.
- Utilized **Docker** for containerization, managing images and containers on **DockerHub** and leveraging **AWS services** such as **EC2**, **Elastic Load Balancer (ELB)**, and **Kubernetes** for deploying and scaling microservices.
- Implemented **Infrastructure as Code (IaC)** using **AWS CloudFormation**, enabling consistent and repeatable deployments.
- Developed **microservices** using **Python Django**, responsible for designing API endpoints, schemas, and models for efficient data storage. Integrated **Django APIs** into React and Node.js applications, ensuring smooth communication.
- Implemented **Django ORM (Object-Relational Mapping)** for seamless interaction with DB, improving database performance.
- Designed and implemented error handling strategies within **Django APIs**, improving application robustness.
- Collaborated with cross-functional teams including **product managers** and **QA engineers** to ensure feature alignment with business requirements, reducing development turnaround time by 20%.
- Enhanced **application performance** by optimizing React components with **lazy loading** and **code-splitting**, reducing load times.
- Implemented **state management** using **Redux**, improving data flow and making the application more scalable and maintainable.
- Created **unit and integration tests** using **Jest** and **React Testing Library**, increasing test coverage and ensuring high-quality.
- Improved **error logging and monitoring** by integrating **Splunk** for real-time error tracking, reducing time taken to fix issues.
- Established **coding standards and guidelines** for the team to ensure consistency and maintainability, leading code reviews.
- Implemented **load balancing** and **auto-scaling** for services on **AWS EC2** to handle increased user traffic efficiently.
- Optimized **database queries** to improve **MongoDB** performance, reducing query execution time by 30%.
- Worked closely with the **DevOps team** to streamline deployment workflows using **AWS Lambda** and **API Gateway**.

Cyient Limited.   *Hyderabad, India.*
Full Stack/MERN Stack Developer   *Aug 2017 – Aug 2021*

- Specialized in **ReactJS**, **DOM manipulation**, and **NPM components** for developing various screens in web applications.
- Progressed into a **Full Stack/MERN Stack Developer** role, by developing **RESTful APIs** using **Node.js** and the **Express.**
- Mastered **NodeJS features** including **global error handling**, **promises**, **async/await**, and **generator-based co-routines**.
- Designed, developed, and implemented **scalable Single Page Applications (SPA)** using a wide range of technologies like **HTML5**, **CSS3**, **React Async Await**, **Next.js**, and **GraphQL**.
- Implemented **React Redux** for state management, utilizing **ECMA Script 6**, **Babel**, and **Webpack** for optimized front-end.
- Set up comprehensive **testing frameworks** including **JEST** and **Storybook/Storyboard** for frontend testing, enhancing application reliability.
- Managed **Node.js applications** with **npm commands** and **package.json** for effective dependency management.
- Worked on the **deployment of applications** on **AWS**, leveraging services such as **AWS Lambda**, **EC2 instances**, **SNS**, and **SQS**, while establishing best practices in **microservices API design** and distribution.
- Spearheaded the **setup of modern CI/CD pipelines**, reducing deployment times, increasing productivity, and fostering **CI/CD**.
- Took charge of the **Git library setup** for source code management, while ensuring proper documentation.
- Optimized **asynchronous operations** in **NodeJS** to improve application responsiveness and deliver a better user experience.
- Worked on **feature enhancements, developments, and bug fixing** in both **front-end** and **back-end** using **React** and **Python**.
- Pioneered collaboration among cross-functional teams, ensuring seamless integration between **frontend and backend development**.

Non-Professional Experience
Hyderabad Trekking Company.   *Hyderabad,India.*
Role: Head of Operations   *January 2016-January 2021*

- Led a team of 15-20, overseeing travel coordination and vendor contracts. Designed the company's operations tool and website.
- Managed and optimized operations across India where my interest turned into personal and professional experiences.

PROJECTS, LEADERSHIP & TEAMWORK:

- **Wheelz4wash:** Contributed to the development of modal, mobile, frontend, and backend applications using ReactJS for both users and clients. Wheelz4wash is a burgeoning start-up offering door-to-door car cleaning services with an impressive user base of 50,000.
- [MFCharts](): Developed a ReactJS application designed to compare real-time charts of 41,929 Indian mutual funds from their inception,providing users with comprehensive insights into their performance.