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Meghal Modi

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WORK EXPERIENCE

Senior Software Engineer, PayPal (Remote)   **June 2022 - Present**

- Led frontend architecture redesign project and delivered modernized and performance-efficient codebase using cookie-based authentication, webpack minification, and improved type support for the redux store
- Optimized component rendering using react lazy loading and reduced the initial bundle size by 80%
- Implemented AWS CloudFront and S3 bucket to host the application and distribute the static resources, reducing latency and improving scalability
- Initiated localization efforts using the i18next library to enhance the user experience for a global audience
- Optimized Postgres stored procedures to improve reporting batch job execution
- Leveraged webpack plugins to streamline the translation file generation process, reducing manual intervention and potential errors
- Collaborated on a critical project enabling merchants to configure warehouses for reverse logistics. This empowered merchants to process mixed shipments efficiently, resulting in a remarkable cost reduction of 60%
- Developed a range of utility functions and react hooks to enhance the efficiency and maintainability of the existing codebase

Software Engineer III, Nextbite (Remote)   **November 2021 - April 2022**

- Designed and developed AWS AppSync client to perform JWT token-based authorization using custom AWS Lambda functions over API keys
- Implemented redux based feature flagging tool to improve stability on existing dashboard/order aggregator tool
- Worked on the enhancement of logging mechanism using Loggly library to improve log accessibility and visualization

Software Engineer II, Meredith Corporation, New York, NY   **March 2020 - November 2021**

- Worked closely with product owners, project management, and tech leadership to plan and create new digital products, site features, and ongoing enhancements
- Worked closely with QA engineers to facilitate manual feature testing, contribute to automated test coverage
- Consumed nontechnical user stories, providing feedback when necessary, translating them into technical documentation, and using them as a basis for implementation

Software Developer, KMK Consulting Inc., Morristown, NJ   **September 2015 - March 2020**

- Developed reporting applications to visualize and analyze sales data for pharmaceutical clients using Node.js, MySQL, React, and CSS modules, also implemented bulk data export functionality in PDF and Excel format
- Established cron job pipelines to calculate delta metric values based on current and historic data using MySQL stored procedures
- Designed a platform to measure employee performance based on predefined metrics, supporting quarterly data refresh using React.js, PHP, and MongoDB
- Implemented a virtual simulator that determines the next state of the patient using probabilistic and conditional methods based on selected medications which helps doctors with proactive treatment steps using React.js
- Drafted a geography sharing tool using zip code KML files and Google Maps API to create a request chain based on a predefined employee hierarchy

Software Engineer Intern, Onsite Software, Philadelphia, PA   **July 2014 - June 2015**

- Prepared an application using SQLite for offline data usage and synchronization
- Extended existing web applications to multiple platforms (Android, iOS, and Windows) using Telerik AppBuilder

Trainee Software Engineer, Cygnet Infotech Pvt. Ltd, Ahmedabad, India   **July 2012 - December 2013**

- Developed custom data transformer using C# to parse and transform XML into Microsoft CRM system compatible data, also implemented web interface for better accessibility and representation

SKILLS

Programming Languages	**:**	JavaScript, TypeScript, Go, Python, PHP
Web Technologies	**:**	Node, React, Redux, Next, Apollo GraphQL, Tailwind CSS
Databases	**:**	MySQL, Postgres SQL, MongoDB, SQLite, Redis, SQL Server+
Development Environment	**:**	VS Code, Git, Agile Methodologies, SDLC, JIRA, Jenkins
Cloud Technologies	**:**	AWS AppSync, AWS Lambda, AWS S3, AWS CloudFront, Terraform
Testing Frameworks	**:**	JEST, Cypress

EDUCATION

- Masters in Information Science and Technology, Temple University (CGPA 3.36)   **2014 - 2015**
- Bachelors in Computer Engineering, Charotar University of Science & Technology (CGPA 3.56)   **2008 - 2012**