

Sandra Chaparro

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PROFESSIONAL SUMMARY

Software Engineer with a strong foundation in web development utilizing JavaScript, React, NodeJS, MongoDB, Java, C++, Git, Github, agile methodologies, and fundamentals of artificial intelligence.

SKILLS

-JavaScript -React -NodeJS -JAVA -SQL -Git (Version Control) -GitHub -MongoDB
-Python -Agile methodologies -Linux -JSON -Express -Postman -C++ -PHP -Azure DevOps
-Fundamentals in artificial intelligence, machine learning, and deep learning. -GenAI -GPT

EDUCATION

Fort Hays State University

June 2019 - Dec 2022

Bachelor Degree of Science in Computer Science and Information Systems Engineering.

- Successfully delivered Full Stack Development projects with Javascript, PHP, NodeJS and express within specified timeframes and received positive feedback.
- Relevant coursework includes Data Structures and Algorithms, Object-Oriented Programming, Database Systems, Software Engineering, Seminar in Software Engineering, and Web Development (front end and back end)
- Deployed 2 web applications using Heroku and Netlify.
- Member of The National Society of Leadership and Success (NSLS) year of 2020
- Member of The Honor Society of Phi Kappa Phi year of 2021
- Graduated with a GPA of 3.69/4.0

PROJECTS

Software Developer

March - April 2024

Dallas Software Developers-COHORT

- Implemented a comprehensive grocery management tool utilizing React, Express, and MongoDB within a cohort setting creating a custom API to fetch ingredient macros and recipes.
- Incorporated recipe integration and a macro counter feature, enabling users to analyze available groceries, generate meal prep grocery lists, and access detailed macro breakdowns.
- Developed functionality to generate recipe suggestions based on inputted ingredients.
- Utilized Figma for app design, ensuring a cohesive and user-friendly interfaces.
- Timely updates to Kanban board-Github board tickets for issue resolution visibility and progress.

WORK EXPERIENCE

Computer Science Tutor

Remote

Superprof

Dec 2022 - current

- Employed diverse teaching methodologies such as: pair programming, interactive online platforms, hands-on coding labs, and lecture-based teaching to meet individual student needs.
- Assisted more than 15 students with homework, projects, and test preparation.
- Guided students in understanding programming concepts and code sections using clear and accessible language and focusing on student-centered approach.
- Improved students' average exam scores by 15% through targeted tutoring sessions focused on problem areas, and reduced average project completion time by 20% through effective project planning.

Software Engineer Co-Op

Allen, TX

Motorola Solutions, Inc,

May 2022 - October 2022

- Developed a login application using React.js to provide secure access for more than 50 clients.
- Implemented OAuth authentication to ensure secure user authentication and authorization, resulting in a 30% reduction in unauthorized access attempts.
- Integrated the Jira API with the React application to aggregate and display information from 3 different sites.
- Streamlined data aggregation and consolidation processes, reducing access time by 25%.
- Designed back-end connections with NodeJS and Express JS, and created front-end designs using HTML5, CSS3, and Bootstrap.
- Team player with exceptional collaboration skills and experience working with Agile/Scrum teams, Dev teams, and Managers.
- Implemented **(CI/CD) pipelines** using Azure Pipelines under the guidance of manager while modifying YAML files as needed.
- Used Docker commands for image management and debugging.
- Timely updates to Azure DevOps board tickets for issue resolution visibility and progress.

Assistant Manager – Data Entry - Sales

Stylo's Boutique/Flexi, Mexico

Chihuahua, Mexico

June 2012 - April 2017

- Supervised and provided support to over 3 locations, ensuring smooth operations and adherence to company policies and procedures.
- Troubleshooted computer systems for employees across multiple locations, resolving technical issues promptly to minimize downtime and maintain productivity. Achieved an average response time of less than 30 minutes for resolving computer-related issues.
- Assisted in generating sales reports and analyzing key metrics to identify trends and opportunities for improvement. Improved sales performance by 10% through strategic analysis and targeted initiatives.
- Performed data entry tasks during the transition to a new software system, ensuring accurate and timely transfer of data. Successfully migrated data for 3 locations, maintaining data integrity and minimizing disruption to operations.
- Managed inventory across multiple locations, optimizing stock levels and reducing excess inventory by 15% through efficient inventory management practices.