

Mauricio Macias

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<https://theerrormaster.github.io/>

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SUMMARY, SKILLS, AND PROJECTS

Results-driven Full Stack Developer with hands-on experience in designing, developing, and deploying complex web/mobile applications and solutions. Proficient in a wide array of front-end and back-end technologies and a proven track record of delivering scalable and high-performing software systems. Skilled in addressing complex challenges, fostering innovation, and harnessing emerging technologies to achieve results while prioritizing clean code, collaboration, and ongoing learning.

- **Languages:** Java, JavaScript, Typescript, PHP, Python C++, C#
- **Front-end/Mobile Development:** React, React Native, Flutter, Java, Swift, Bootstrap, Mobx, Redux, Native iOS
- **Data Management:** PostgreSQL, MySQL, MongoDB, SQLite3, Firebase
- **Back End Technologies:** Node.js, Express, Next JS, PHP, Flask, Spring Boot, Linux

SympToDialog | Personal Project

6/2023

- Awarded with the esteemed AI Health Innovation Award at the Tech and Media Solutions to Reduce STIs Hackathon, a highly regarded event convened by the prestigious National Academy of Medicine.
- Developed a cutting-edge AI-powered chatbot crafted to emulate patient interactions during medical appointments. The groundbreaking innovation offered a range of personas with factors such as age, sexual orientation, and cultural background to ensure a comprehensive and compassionate approach to healthcare communication.



EXPERIENCE

Full Stack Developer | 777 Partners - Irvine, CA

2/2022 - Current

- Spearheaded a critical initiative to boost web application performance by optimizing heavy-load views through strategic component refactoring, resulting in a 70% reduction in page load time while enhancing user experiences.
- Lead an innovative app development project by collaborating with our dynamic teams to envision, design, and execute a diverse array of features for our app via top-tier functionalities and ensuring a smooth and engaging user journey.
- Enhanced website and mobile app performance, accelerated development timeliness, and maintained code consistency by crafting custom and reusable React component libraries via comprehensive object-oriented principles.
- Implemented robust user authentication systems via Java Spring Boot to ensure the security of user data and interactions while managing email templates through Thymeleaf to optimize communication processes within applications.
- Integrated and leveraged the Stripe Payment API to facilitate a secure and seamless transaction processing in various projects while enhancing the user experience and ensure the security of financial transactions.
- Developed essential libraries tailored to specific company needs, streamlining development processes, and promoting code reusability across projects which improved efficiency and reduced development time.

Full Stack Developer | How Neat, Inc - Remote

6/2021 - 2/2022

- Architected the object relations model, ensuring efficient data management and accessibility for a cutting-edge web application which delivered a real-time monitoring capability for IoT-based agricultural devices.
- Leveraged advanced techniques with the Pandas DataFrame API to maximize data processing efficiency and providing valuable insights for agricultural monitoring.
- Engineered a robust JSON REST API server using Flask, empowering the application to seamlessly capture, analyze, and manipulate sensor data.
- Enhanced legacy PHP-based backend systems while ensuring optimal performance and system stability through systematic updates and enhancements to guarantee uninterrupted operations.
- Successfully orchestrated the transition from a PHP-based project to a more efficient and scalable MERN (MongoDB, Express, React, Node.js) project which improved system efficiency, scalability, and code maintainability.
- Utilized SQL queries to extract, aggregate, and visualize data to develop dashboards that provided real-time visualization and analysis of key performance metrics which enabled informed decision-making and enhanced user experiences.



EDUCATION

Bachelor of Science in Computer Science | California State University, Fullerton (CSUF)