EDWIN HERNANDEZ

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EXPERIENCE

Tesla   Jul 2023 - Jul 2024
Software Engineer II   Austin, TX

- Architected a full-stack admin system using React, Express, and C# microservices, to support Tesla's global workforce management rollout.
- Optimized backend microservices and RESTful APIs in C# and MySQL, slashing data processing time by 85% and boosting system performance for 10,000+ daily users.
- Led end-to-end testing strategies using NUnit and Vitest with MSW, achieving 80% code coverage and reducing critical production bugs by 60%, enhancing overall system reliability.
- Streamlined Agile workflow with Jenkins, Docker, and Kubernetes, reducing deployment times by 3x.
- Mentored interns in React best practices, elevating team code quality by 30% and accelerating feature delivery.

Tesla   Aug 2022 - Dec 2022
Software Engineer Intern   Fremont, CA

- Enhanced Tesla's Design System, improving UI consistency and developer efficiency across 20+ internal engineering applications.
- Developed bulk action features that halved task completion time and decreased support queries by 20%, streamlining workflows for 1000+ daily users.
- Accelerated production launch by resolving high-priority bugs and implementing Angular UI enhancements, including sorting functionality and optimized data loading.

JPMorgan Chase & Co.   Jun 2022 - Aug 2022
Software Engineer Intern   Plano, TX

- Improved reliability of a Java Spring Boot batch application by implementing effective error handling, ensuring seamless processing of 100,000+ loan records across multiple counties.
- Designed a CI/CD pipeline using Jenkins for a new microservice, streamlining development workflows and improving code quality assurance.

PROJECTS

Fire Tracker   Oct 2022 - May 2023

- Created wildfire detection system using AWS and NextJS, adopted by local fire department for live monitoring.

Campus Tech | Project Link   May 2022 - May 2023

- Built real-time university software status platform using NextJS and Docker, reducing help desk inquiries by 30%.

SKILLS

Technical Skills	JavaScript/TypeScript, React, C#, .NET 6 Core, Java, Spring Boot, HTML/CSS, Python, SQL, Git, GitHub, Jenkins, Docker, Terraform, Jira, NextJS, NodeJS, Express, AWS
Concepts	Software Engineering, Web Frameworks, Databases, Full Stack Development, Cloud Computing, REST APIs, Microservices, Agile Methodologies

EDUCATION

University of North Texas   May 2023
Bachelor of Science (BS), Computer Engineering   GPA: 3.5/4.0