

César Jiménez Salazar

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Education

Costa Rica Institute of Technology

Bachelor of Science in Computer Engineering

Expected March 2025

GPA: 90/100

Experience

Software Engineer Intern

Jul 2024 – Present

BlockTec (US) – Phoenix, AZ

- Developed and maintained backend services using ASP.NET Core and built frontend interfaces with React and Redux to ensure seamless integration across the software architecture.
- Designed and implemented robust API endpoints to support core application functionalities and enhance performance.
- Conducted unit and integration testing to ensure high code quality and system reliability, reducing production issues and increasing overall stability.

Full-Stack Developer

Mar 2024 – Present

BlockTec (US) – Phoenix, AZ

- Developed responsive UIs using React, Next.js, and MUI, while managing state with Redux and handling API integration to ensure smooth user interactions
- Implemented core application features using Elasticsearch for complex querying and data retrieval, and utilized DynamoDB to persist critical user data and enhance performance.
- Deployed multiple development environments using AWS Amplify for agile testing and staging, enabling faster iteration and continuous delivery throughout sprints.

Projects

Inventory system for real small business

Dec 2023 – Jan 2024

- Analyzed the needs of a small paper product business that required a custom inventory system for streamlined operations, billing, and reporting.
- Designed system architecture, creating detailed documents (IEEE 829, SRS, SAD), and employed an incremental implementation approach, delivering weekly features and conducting regular client reviews.
- Implemented successfully, all of the specified requirements that resulted in heightened client satisfaction, increased operational efficiency, and improved inventory tracking, empowering the business with valuable sales and expense insights through customized reports.

Skills

Programming: Python, C, C++, C#, Java, JavaScript, TypeScript, HTML, CSS, JQuery

Frameworks/Tools: ASP.NET, Bootstrap, Tailwind, React.js, MaterialUI, Express.js, Figma, Docker

Databases/Cloud: Microsoft SQL Server, MySQL, Oracle Database, MongoDB, Azure

Languages: English, Spanish

Extracurricular: Ranking 7th place national at IEEEExtreme 16.0. Completed 50 hrs in Object Oriented Programming tutoring program. Part of the Student Council and Student Association of the Computer Engineering School of 2023 at Costa Rica Institute of Technology.