

# Jason Cochran 25 Years Exp Web/Mobile Apps Developer

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📍 Midland, TX

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## Professional Experience

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2025/02 – 2025/09

Remote

### Senior Full-Stack Engineer

*Servant* ☑

- Developed a full-stack web application using **NestJS (backend)** and **Next.js (frontend)** to create a comprehensive portal connecting advocates, coordinators, and mothers with essential resources and support systems for the EMA project
- Developed a comprehensive well-being assessment system with dynamic form generation, scoring calculations, and data visualization
- Implemented role-based access control and authentication system using JWT, enabling secure access for different user types
- Built a robust API with RESTful endpoints and Swagger documentation, handling complex data relationships and implementing middleware for request processing and error handling
- Created a modern, responsive UI using **React**, **Tailwind CSS**, and **shadcn/ui** components, featuring dynamic forms, data tables, and interactive dashboards
- Integrated **AWS services (SES, SNS)** for email and SMS notifications, enabling automated communication between system users
- Implemented file upload functionality with **S3 integration**, supporting multiple file types (PDF, images, documents) with size restrictions and validation
- Designed and implemented a referral management system with form validation, emergency contact handling, and communication preference tracking
- Utilized **Prisma with ZenStack** for database operations, implementing data access patterns with proper authorization and soft delete functionality
- Set up **CI/CD pipelines using Railway** for automated deployment of API, portal, and database services across development, staging, and production environments
- Implemented real-time data updates and caching using **React Query** for optimal performance and user experience
- Heavily involved in data migration and ETL work
- Setup custom Moodle instances
- Created comprehensive documentation and setup guides for development environment configuration and deployment processes

2024/03 – 2024/09

Midland, United States

### Senior Software Engineer

*Big D Companies*

- Converted a legacy **PHP-based** ERP system that manages SCADA automation to a modern full stack solution using **React**, **Next.js**, using the existing **MySQL database** to significantly enhance performance and maintainability
- Also helped maintain the old PHP codebase
- Testing with **Jest**
- CI/CD with **CircleCI**

2023/09 – 2024/02

### Senior React Native Developer

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- Worked on a highly agile team building custom cross-platform (web/mobile) **React-Native** components using **TypeScript**
- Testing was done with **Jest** and **Enzyme**
- CI/CD through **CircleCI**

- 2022/10 – 2023/06  
**Senior Software Engineer**  
*TxMQ*
- Helped develop different web and mobile solutions using **AngularJS** and **Ionic** including a management system for medical marijuana growers
  - Spearheaded a research initiative for **AI** using **OpenAI**, **Node.js** and **React.js**
  - Became a certified **Corda** (Distributed Ledger / Blockchain) Developer
- 2021/10 – 2022/11  
**Senior Mobile Apps Developer**  
*Verizon*
- Developed a full-stack solution for NFT collectibles solutions for the AMC Walking Dead collectibles app using **React Native**, **Node.js**, **Express.js**, **Postgres**, interfacing with **Ethereum blockchain** and **Postgres**
  - Pioneered a new REST request scheduling system using **Node.js**, **Express**, **Redis**, and **Socket.io** ☑ to manage blockchain load, enhancing system performance
  - Built a JavaScript SDK for third-party integration with Verizon's APIs
  - Testing with **Jest**
  - CI/CD with **CirclCI**
  - Deployments to **AWS EC2** with **Docker** and **Kubernetes**
- 2015/04 – 2021/10  
**Solutions Architect**  
*Self-Employed*
- Worked on 30+ software development projects of different complexities for various clients in different verticals
  - Developed full-stack web and mobile applications using a wide range of technologies including **React**, **React-Native**, **Node.js**, **Next.js**, **Express**, **MongoDB**, **MySQL**, **PostgreSQL**, **AWS**
  - Highlights include an over-the-counter medications mobile app, air quality lookup mobile app, fintech web app, chiropractor management web app, sports celebrity mobile app
  - Testing with various testing libraries including **Jest**, **Mocha**, **Chai**, **Enzyme**, etc
  - CI/CD with **CirclCI**
  - Deployments to **AWS**, **Vercel**
- 2012/02 – 2015/04  
**Senior Software Engineer**  
*Key Energy Services*
- Lead a team of developers to build a large-scale ERP solution for an oil/gas services company using **Ruby on Rails**, **Meteor**, and **Backbone.js**
  - Simplified access to complex oil/gas backend systems
  - Allowed offline access to certain areas of the app in the event that connectivity was limited
  - Testing with **Cucumber**
  - CI/CD with **Jenkins**
  - Deployments to internal servers using **Docker**
- 2011/02 – 2012/02  
**Web Developer**  
*Warren Equipment Company*
- Developed corporate websites for company properties using **ASP.NET**, **JQuery** and **SQL Server**
- 2007/11 – 2011/02  
**Web Developer**  
*Enertia Software*
- I built and maintained the corporate website for an oil/gas ERP software company using **ASP.NET** ☑ (**VB.NET** ☑ ) and **SQL Server**

- I used **ASP.NET** [☞](#) (**C#**), **SQL Server** and **regular expressions** to build a dynamic help system with 10,000+ documents that would automatically rebuild itself when new documents were added or modified. The system would scan each document and create links to other associated documents based on a predefined set of keywords

2000/01 – 2007/11

### **Web/Mobile Solutions Architect**

*Self-Employed*

- Owned and operated a web design and development agency
- We designed and developed custom websites and web applications for my clients
- Technologies included **ASP.NET**, **PHP**, **MySQL** and **SQL Server**
- Example: We built a custom real estate website for a local broker. At the time there was no MLS API that we could pull data from, so we developed a custom back-end would pull data from an FTP site which contained the MLS data. I would import the data using **SQL Server DTS**. Then I built a UI using **ASP.NET** and **JQuery** to allow people to search for local real estate listings.

1999/01 – 2000/01

### **Web Developer**

*OneTravel.com*

- I helped build the first air, car, and hotel booking system using **ColdFusion** and **SQL Server** at the start of the dot-com era, way before Travelocity, Orbitz, etc. Data was screen scraped off the 'dumb terminal' Saber system.

## **Education**

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1993/09 – 1994/05

### **High School Diploma**

Odessa, TX

*Odessa High School*

## **Skills**

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JavaScript	HTML/CSS
TypeScript	Node
React Native	Next.js
Express.js	Docker
Redis	AWS
GraphQL	Jest Testing
Enzyme Testing	CI/CD Deployment
MongoDB	PostgreSQL
SQL Server	Git
Web Services	JSON

## **Certificates**

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### **JavaScript Certification** [☞](#)

<https://www.hackerrank.com/certificates/3adb70f4345d> [☞](#)

### **Node.js Certification** [☞](#)

<https://www.hackerrank.com/certificates/cd642c762766> [☞](#)

### **React.js Certification** [☞](#)

<https://app.testdome.com/cert/30dcc723088f45b6b5e49e0fcac36db4> [☞](#)