

# David Joao Sandoval

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## Skills

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**Programming Languages:** JavaScript (Vanilla, ReactJS, Next.js 13.x, 14.x, 15.x, Node), Python (Django, FastAPI, Flask)  
**Databases:** PostgreSQL, MongoDB  
**Tools:** Git, Vercel, Figma, Trello, Postman, Mongo Atlas, Render, AWS (S3, CloudWatch, EC2)  
**Languages:** Spanish, English

## Education and Certifications

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- **AWS Cloud Solutions Architect Professional Certificate**, Amazon Web Services | In Progress 12/2024 - Present
  - **Career Essentials in Software Development**, Microsoft, Remote 03/2023
  - **Software Engineering Immersive Program**, General Assembly, Remote 09/2023
  - **Associate's Degree in Computer Science**, College of the Canyons, Valencia, CA 08/2018 - 12/2021

## Professional Experience

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### **Front End Developer Intern, ITransition, Los Angeles, CA** 11/2024 - 01/2025

- *JavaScript | Next.js | Node.js | Express.js | Socket.IO | AWS | S3 | Vercel | Git | PostgreSQL*
- Developed web applications by using Next.js, PostgreSQL, and Render, incorporating features like authentication, role-based components, templates, forms, tags cloud, likes, comments, configuration, and internationalization, resulting in an efficient and scalable platform.
- Optimized storage costs by connecting the web application to an AWS S3 Bucket for image storage, reducing the reliance on more expensive storage services.
- Improved web application performance by implementing lazy loading and creating dynamic components, resulting in faster load times and an enhanced user experience.
- Enhanced real-time interactivity by deploying a WebSocket server, enabling users to create, delete, or update comments, questions, and likes in real-time.

### **Junior Full Stack Developer, Booth Grading and Excavating, Los Angeles, CA** 04/2023 - 11/2024

- *JavaScript | Next.js | Node.js | MongoDB | Figma | Git | Vercel | Postman | AWS | S3 | CloudWatch*
- Construct a web application using Next.js, TailwindCSS, MongoDB, HTML, and CSS to manage employee data, job site details, equipment, daily reports, and timesheets, ensuring the web app is responsive and accessible on both mobile devices and desktops.
- Create AWS CloudWatch Alarms to actively monitor and manage resource metrics, preventing unexpected expenses and enhancing budget control through timely alerts.
- Configure AWS S3 Bucket storage to optimize data storage, reducing costs by 80% compared to legacy storage solutions and improving overall storage efficiency.
- Leverage JWT authentication with encrypted passwords to protect user accounts, ensuring secure access to sensitive information and preventing unauthorized access to the application.
- Implement a notification system to provide real-time updates to 30+ employees and managers about important information regarding job sites, equipment, and daily reports, thus improving overall communication and collaboration within the company.
- Reduce third-party service costs by ~90% by developing a custom backend solution that streamlines paperwork delivery by sending documents directly from the backend to business email, eliminating the need for expensive third-party services and achieving significant cost savings.
- Decrease paperwork processing time by ~70% by creating a feature that automatically generates a ready-to-print PDF from timesheets, daily reports, incident reports, absence request forms, and warnings, then sends it by email to the company.

### **Freelance Full Stack Developer, Self-Employed, Remote** 08/2022 - 04/2023

- *JavaScript | Node.js | Python | PostgreSQL | MongoDB | Figma | Git*
- Minimized page reloads by 50% through building efficient, optimized user-friendly interfaces in React.js, resulting in increased user satisfaction.
- Developed custom portals tailored to the specific needs of companies, enhancing interaction between users and staff providing users access to their assigned jobs, coworker information, and job site equipment availability, creating a more efficient and collaborative work environment.
- Reduced image and document file sizes by 90% through optimization techniques, resulting in faster response times and improved system performance without compromising quality.