

# Ozkar Alvarez

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## Experience

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**Full Stack Software Engineer**, San Diego Community College District – San Diego, CA May 2023 - Present

- Engineered a class scheduling algorithm with an intuitive frontend, reducing student enrollment time by 75%
- Refactored the online course catalog, enhancing usability and leading to adoption by two other institutions
- Recognized and addressed the outdated staff directory, aiming for enhanced user experience
- Integrated modern frameworks such as React.js to rebuild staff directory, boosting interface performance

**Full Stack Web Developer**, Freelance Contractor – San Diego, CA March 2020 - Present

- Reduced page load times by optimizing code and assets, resulting in a 20% increase in website performance
- Partnered with UX researchers to gather user feedback, inform design decisions, and improve site usability
- Interacted with clients to optimize projects, enhancing satisfaction and consistently meeting goals
- Developed custom JavaScript and MySQL solutions to streamline client processes and improve functionality

**Front End Software Engineer**, WOBJay – San Diego, CA Dec 2022 - May 2023

- Originated a proprietary drag-and-drop library for the company's core product, boosting client satisfaction
- Applied state management solutions like Redux, ensuring efficient data handling and scalability
- Incorporated RESTful APIs with React.js components, providing real-time data and improving user experience
- Familiarized with diverse code bases, enabling seamless integration and enhancing product cohesion

## Projects

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**Plan My Semester** – React.js, TypeScript, SCSS, Node.js, MongoDB, RESTful API's

- Conceptualized a mock-up using Figma and developed a web tool for generating conflict-free class schedules
- Constructed a React.js and TypeScript frontend with advanced schedule visualization components
- Developed an algorithm in Node.js generating tailored schedules based on time, day, and course requirements
- Implemented RESTful APIs for seamless college system integration, ensuring accurate course information

**TrayectoAI** – React.js, TypeScript, SCSS, Node.js, MongoDB, RESTful API's

- Built a large-scale career development app keeping users accountable by providing AI-driven career insights
- Successfully attracted over 950+ users, highlighting its immediate market impact and user appeal
- Designed a cover letter builder with autosave functionality and PDF download capability
- Deployed user authentication processes incorporating OAuth and email verification

**Find My Professor** – React.js, TypeScript, SCSS, RESTful API's

- Led a successful overhaul of an outdated staff directory, developing a dynamic solution to improve usability
- Further amplified search capabilities by incorporating third-party libraries coupled with course data
- Integrated district course data through RESTful APIs, ensuring up-to-date professor information
- Enhanced application compatibility for diverse devices, boosting student engagement and accessibility

## Skills

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**Languages:** TypeScript, JavaScript, SQL, HTML, CSS, SCSS

**Technologies:** AWS, Docker, React.js, Node.js, Express, MongoDB, PostgreSQL, Jest

## Education

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**San Diego Mesa College** – AS in Web Development

2023