

Dylan Ledermann

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EDUCATION

University of California San Diego

Bachelor of Engineering in Computer Engineering

Coursework: Software Engineering, Operating Systems, Data Structures and Algorithms, Computer Architecture, AI, Network Architecture

San Diego, CA

Sep 2021 - June 2025

TECHNICAL SKILLS

Programming Languages: Javascript & Typescript (React, Node, NextJS, & Express), Python (Django), C# (.NET 9), SQL (PostgreSQL), Java

DevOps & Deployment Tools: Docker, Firebase Hosting, Render, AWS, Postman, MongoDB (NoSQL)

Skills: Agile development, Git/GitHub, Testing, REST APIs, Wireshark

PROJECTS

Meetup | Full-Stack Event & Social Web App

2025

TypeScript, NextJS, Axios, .NET 9, PostgreSQL, JWT, Docker, Playwright, Jest, xUnit, Nginx, AWS, Github Actions

- Delivered a scalable web platform enabling thousands of users to seamlessly create and join meetups, leveraging a strongly typed TypeScript frontend with Axios interceptors for improved UX and reliability
- Strengthened security by implementing robust JWT-based access and refresh token flows, reducing unauthorized access risks and ensuring smooth user authentication
- Engineered a high-performance RESTful backend with .NET 9 and PostgreSQL, achieving reliable data persistence and API responsiveness under concurrent user load
- Enhanced product quality and deployment confidence through comprehensive testing strategies, including Playwright end-to-end tests, Jest frontend unit tests, and xUnit backend tests
- Accelerated development and deployment cycles by containerizing the entire stack with Docker and automating build, test, and deployment pipelines using GitHub Actions CI workflows
- Successfully deployed and maintained the application on AWS EC2, utilizing Nginx for secure reverse proxy, rate limiting to prevent abuse, and HTTPS certification, ensuring high availability and secure access

ResumeBuilder | Full-Stack Web App

2025

React, Node.js, Express.js, MongoDB, Firebase, Render, Vite, JWT

- Built a full-stack resume builder with user authentication, customizable templates, and color schemes
- Developed modular frontend and backend using React, Node.js, and Express.js with Vite for optimized builds
- Implemented MongoDB for data storage and deployed on Render (backend) and Firebase (frontend)
- Created RESTful APIs, responsive UI, and secure session handling for seamless user experience
- Implemented JWT-based authentication for secure, stateless user sessions
- Used Git and Visual Studio Code for source control and efficient development workflow

ReviewSyd | Campus Networking & Class Review Web App

2024

Django, HTML, CSS, Bootstrap, AJAX, AWS

- Built a web platform for students to connect, review courses, and find tutors, enhancing academic collaboration
- Developed the backend using Django, with a responsive frontend built in HTML, CSS, and Bootstrap
- Integrated AJAX for seamless asynchronous communication between frontend and backend
- Collaborated in a 5-member team, using GitHub for version control and Agile practices for coordination
- Deployed a working prototype on AWS, demonstrating deployment and cloud hosting capabilities

WORK EXPERIENCE

Sacks In The City Cafe

Redondo Beach, CA

Cashier

Jun 2021 – Sep 2022

- Delivered excellent customer service by greeting customers, assisting with inquiries, and accurately processing orders in-person, over the phone, and online
- Prepared ingredients and crafted beverages, including smoothies, juices, and coffees, ensuring quality and consistency
- Maintained a clean and organized front-of-house area to create a welcoming and efficient environment for both customers and staff