# Oscar Delgado (Software Engineer)

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## EXPERIENCE

**Professional**

### Oscars Hub (Typescript) | *Software Engineer* | Apr 2023 - Present

- Constructed cloud infrastructure utilizing AWS: EC2, Application Load Balancer, Route 53, SQS, S3, and CloudFront.
- Optimized system availability and fault tolerance by leveraging AWS auto scale group, resulting in a 99.9% system uptime and increased resilience against traffic spikes and failures.
- Developed and deployed GitHub Actions CI/CD pipelines, resulting in a 42% increase in deployment success and streamlined development time.
- Led end-to-end development of small business websites using React, implementing static site generation and deploying on AWS Cloudfront to enhance performance; resulted in 40% reduction in page load time.
- Reduced deployment costs for small businesses by 90% through serverless solutions. (AWS Lambda).

### FitNxs (Python) | *Software Engineer* | Jan 2021 - Oct 2022

- Contributed to a modern web application development with Django, JavaScript in a team of three engineers
- Contributed to the entire development process, focusing on user-centric features such as profile pages, a notification system, and forum functionality.
- Rebuild the backend using modular design and object-oriented programming principles, resulting in a 10% reduction in lines of code.
- Collaborated within an Agile team, actively participating in Agile methodologies to streamline project management, which led to improved project efficiency and cross-functional team cooperation.

### CPCyber (Python) | *Software Engineer* | Aug 2021 - Jul 2022

- Maintain two internal web applications using Django, one focusing on detecting document security vulnerabilities and organizing files, while the other facilitates the planning of ethical email phishing campaigns.
- Reduced manual labor for each client by 5-10 hours (32%) by reengineering the internal app to enable improved documentation and streamlined export processes.
- Initiated an overhaul to debug 80% of reported bugs, ensuring software product reliability and quality.

**Projects**

### Oscars Hub Website (React + NodeJs)  link  repository

- Built the website using React for the frontend, primarily styling it with Bootstrap and customizing it with CSS.
- Engineered the backend server using Node.js, creating and integrating RESTful APIs with Express. Additionally, incorporated GraphQL with Apollo Server to enhance server capabilities.
- Deployed the web application on AWS using Route 53 and an Application Load Balancer for efficient traffic distribution and high availability.

## SKILLS

**Languages:** JavaScript | Python | TypeScript | HTML | CSS | Spanish
**Technology:** NodeJs | NextJs | React | AWS | MongoDB | SQL | Django | Docker | GraphQL | NoSQL| CI/CD
**Other:**     Design Patterns | SOLID | REST | Unit Testing | Web Services | Algorithms

## EDUCATION

**University of Colorado-Boulder**                              *B.A. Computer Science*

## CERTIFICATES

**Complete NodeJS Developer in 2023 (Udemy) link**
**Complete React Developer in 2023 (Udemy) link**