

EMIL SHARKOV

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EDUCATION

B.S. in Computer Science, University of California, San Diego

September 2020 - March 2024

GPA: 3.7/4.0

Relevant Coursework: Advanced Data Structures, Design and Analysis of Algorithms, Software Engineering, Database System Principles, Web Client Design, Networked Services, Computer Security

SKILLS

Front End	HTML, CSS, JavaScript, TypeScript, React, React Native, Redux
Back End	Python, FastAPI, Node.js, Express.js, Go, Java, Kotlin, PostgreSQL, MongoDB, C, C++
Deployment	AWS, Docker, Kubernetes, Github Actions, Jenkins, Terraform, Bash
Dev Tools	Git, Postman, VSCode, Linux, Agile, JUnit, Jira, Tableau
Certifications	AWS Cloud Practitioner, AWS Solutions Architect Associate

WORK HISTORY

ATPCO

Software Engineer Intern

February 2023 - Present

AWS, Python, React.js, Tableau

- Developed an interactive and educational website for over 500 employees that teaches developers how to use AWS to increase company-wide cloud fluency using AWS S3, CloudFront, and React.js
- Boosted team productivity by 15% by creating a dashboard that identifies bottlenecks in team workflow by leveraging the Jira API and Python to fetch and analyze JIRA tickets
- Utilized the GitHub API and Python to construct a dashboard that monitors the time it takes to create and deploy a feature into production, measuring the efficiency of 10 product teams

MakeItHappen.nyc

Software Engineer Intern

June - September 2022

PostgreSQL, Express.js, React.js

- Reduced customer inquiries by 25% by creating a dashboard that presented payment data on over 20,000 users
- Achieved 7x performance improvement in fetching of 10,000 record datasets by reducing SQL query complexity
- Resolved multiple time-critical issues within B2B APIs with efficient debugging, reducing bug reports by 40%

Ardigent Consulting

Software Engineer Intern

October - December 2019

React.js, Next.js, Express.js

- Increased SEO and Google ranking to 1st search result in its niche by integrating Next.js into React codebase
- Strengthened database security with sanitation procedures inside 2 REST APIs preventing SQL Injection attacks
- Decreased bounce rate of company website by 26% by refactoring the landing page to improve user experience and accessibility

EXTRACURRICULAR ACTIVITY

ACM AI @ UCSD

Board of Directors

May 2023 - Present

MongoDB, Express.js, React, TypeScript

- Orchestrated a team of 5 web developers and designers to create and launch the ACM UCSD website
- Reduced club expenses by 3% by optimizing AWS usage and transitioning to cost-effective software solutions for club operations.

HIGHLIGHTED PROJECT

Traka

Workout Tracker

September - December 2022

AWS, Docker, PostgreSQL, Express.js, React.js

- Engineered a full-stack CRUD web app to track workouts and goal progress for bodybuilders
- Containerized client, server, and database using Docker for scalability and deployed to AWS ECS for hosting