

EMIL SHARKOV

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EDUCATION

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

September 2020 - March 2024

GPA: 3.6/4.0

Relevant Courses: Distributed Systems, Web Design, Networked Services, Machine Learning, Computer Vision

SKILLS

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

WORK HISTORY

ATPCO

February 2023 - Present

Software Engineer Intern

AWS, Python, JavaScript, React.js, Angular, PostgreSQL

- Boosted team productivity by 15% by creating Tableau dashboards that identify bottlenecks in team workflow using the Jira API, Python, and AWS Lambda to fetch and analyze tickets
- Measured the efficiency of 10 product teams, by utilizing the GitHub API, Python, AWS Lambda, and Tableau to construct a dashboard that monitors the time it takes to create and deploy a feature into production
- Reduced Splunk and Sysdig licenses bought by 20% by engineering a scalable observability solution that collects AWS EKS metrics, logs, and traces with OpenTelemetry, OpenSearch, and Grafana
- Developed an educational web app using AWS S3, CloudFront, and React.js to increase company-wide cloud fluency by teaching over 500 employees how to use custom AWS dev tools
- Deployed 3 FastAPI microservices to EKS that help map each cost in AWS to a team to identify cost savings accrued by migrating from OpenShift to EKS
- Decreased triage time by 10% for data discrepancies in flagship product by creating CRUD dashboard that displays data ingestion metrics with Angular, Spring Boot, and MySQL

MakeItHappen.nyc

June 2022 - September 2022

Software Engineer Intern

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

October 2019 - December 2019

Software Engineer Intern

React.js, Express.js

- 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

EXTRACURRICULAR ACTIVITY

ACM AI @ UCSD

May 2023 - Present

Board of Directors

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.