

MAC KAFAGY

Orange County, CA · mackafagy@gmail.com · (714)-616-8112 · [GitHub](#) · [LinkedIn](#)

SUMMARY

Senior software engineer with expertise in **C#, JavaScript, Python, HTML, CSS**, and technologies like **React, Vue.js, Flask, .NET Core, SQL**, and **Syncfusion**. Skilled in developing **microservices**, optimizing backend performance, and leading the implementation of modern frameworks like **SQLAlchemy**. Adept at delivering high-impact solutions with cutting-edge technologies.

EDUCATION

California State University, Fullerton Bachelor of Science in Computer Science	Fullerton, CA December 2022
Orange Coast College Associate of Science in Computer Science	Costa Mesa, CA December 2020

RELEVANT EXPERIENCE

Naval Air Warfare Center <i>Software Engineer</i>	China Lake, CA March 2023 - Present
<ul style="list-style-type: none">Developed and optimized microservices using .NET Core, Vue.js, and SQL Server to track naval resources, supporting data-driven budgeting decisions.Improved backend efficiency, reducing response times by 25% through query optimization, workload distribution and removal of redundant calculations.Enhanced SQL Server performance with refined schema design, optimized stored procedures, and migration from Toad to SQL Server, achieving a 12% reduction in data retrieval times.Implemented Syncfusion components with Vue.js to optimize data visualization, improving UI responsiveness based on user preferences.Engineered and optimized .NET and WPF solutions for mission-critical tasks such as image mensuration, collateral damage estimation, and georegistration.Improved application stability by implementing multithreading and resource allocation strategies, resolving critical crashes, and increasing uptime.Led cross-functional teams in delivering high-priority features, accelerating development cycles and ensuring efficient project execution.Managed tasks and bug resolutions in Jira, ensuring smooth development workflows and on-time feature delivery.	
Seminaut Inc. <i>Software Engineer</i>	Austin, TX April 2022 - March 2023
<ul style="list-style-type: none">Designed and implemented scalable web features using Python, React, Flask, and SQLAlchemy to enhance user engagement and data accessibility.Developed a regional system for dynamic user distribution, optimizing competition structures and personalized recommendations.Led interactive mapping development with Mapbox API, enabling users to locate and explore events and venues nationwide.	

TECHNICAL SKILLS

Programming Languages:	Python, SQL, C#, JavaScript, HTML, CSS
Frameworks & Libraries:	.NET Core, Vue.js, Flask, React, WPF, Pandas, SQLAlchemy
Database Systems:	SQL Server, PostgreSQL, MySQL, MongoDB, Toad
Cloud Platforms:	AWS (EC2, S3), GCP
Version Control:	Git, GitHub, GitLab, Bitbucket, Sourcetree
Project & Issue Tracking:	Jira