

Eric Anastas

Software Engineer

📍 San Francisco, CA

🌐 ericanastas.com

📞 657-464-3742

🌐 linkedin.com/in/ericanastas

✉️ aireq303@gmail.com

🐙 github.com/ericanastas

SKILLS

Code: TypeScript, JavaScript, C#, HTML & CSS, SQL

Front End: React, NextJS, Angular, NgRx, Bootstrap, Material Design, MUI, Tailwind, WPF

Back End: NodeJS, REST, Open API, PostgreSQL, Elasticsearch, MS SQL, AWS, Docker, Unit Testing, CI/CD

WORK EXPERIENCE

Skidmore, Owings & Merrill

San Francisco, CA

Software Engineer

May 2021 - Mar 2024

- Developed front end single page applications using Angular, React, Material Design, and Bootstrap
- Designed and developed backend APIs using NodeJS, Express, PostgreSQL, and Open API
- Deployed applications to EC2 on AWS using Docker and systemd
- Developed tools to assist with the firms' adoption of Google Workplace using JavaScript and Typescript on Google Apps Script
- Developed a CI/CD workflow for automatically deploying Google Apps Script projects using Github Actions
- Assisted engineers developing the data warehouse API understand the business requirements and appropriate data schemas
- Served as a key member of the team upgrading the firms' collaboration and knowledge management tools, worked with stakeholders to understand their needs, provided training, and developed utilities using third-party APIs

Digital Design Specialist / AEC Software Engineer

Feb 2008 - May 2021

- Developed over 50 custom tools with C# and WPF on the .NET APIs of Revit, Rhino, and other AEC software
- Implemented a system to package, version, catalog, and distribute Revit add-ins using C#.NET and WPF
- Developed a system for tracking and visualizing Revit usage across the firm using C#, Elasticsearch, and Kibana
- Supported a new R&D subsidiary systematize their proposal review process into an automated forms based workflow
- Mentored colleagues without prior coding experience to develop tools with both visual programming and add-in APIs

M. A. Mortenson Company

Seattle, WA

Design Coordinator

Jul 2005 - Feb 2008

- Served as a primary technical expert in a company wide group championing the use of technology and 3D BIM models
 - Produced and maintained 3D BIM models from 2D documentation, ensuring alignment with the latest design iterations
 - Assisted project teams leverage models on-site for MEP coordination, site logistics, layout, and proactive problem-solving
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PROJECTS

Sustainability Data Hub

Aug 2023 - Feb 2024

- Application used to track goals and metrics related to the energy use and carbon footprint of SOM projects
- Designed and developed front end user interface using Angular, NgRx, and Material Design
- Worked closely with other engineers on the design of the back end REST API

Material Data Hub

Jul 2022 - Dec 2023

- In-house catalog of architectural materials that serves as a central hub for designers researching potential products
- Developed the frontend user interface using React and Material Design (Mui)

Collaboration Resource Manager

Jan 2020 - Sep 2023

- General-purpose system that automates the setup and maintenance of resources on external SaaS collaboration platforms
 - Developed front end using Bootstrap, and back end REST API using NodeJS, Express, and PostgreSQL
 - Applied layers of abstraction and extensibility to ensure versatility across various business contexts and resource types
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EDUCATION

University of Washington

Seattle, WA

BS in Civil Engineering

Jun 2005