

Seamus Feider-Sullivan



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About

Experienced full-stack engineer with a passion for making beautiful and functional applications. Strong track record of solving complex problems and learning new technologies quickly.

Experience

Sr. Software Engineer, Tesla, Fremont, CA

2017 - 2020

- Tech lead for greenfield React Native app used by thousands of field service workers to schedule and document site surveys and compliance
- Worked with product + UX teams to build the tesla.com Powerwall and SolarRoof buying experience
- Languages: JavaScript (ES6+)
- Tools: React, React Native, Redux, GraphQL, Apollo, Jest, MongoDB, Webpack, Babel, Node, Git, Redis, RabbitMQ, Docker, Kubernetes, CSS/JSS/SCSS, HTML/JSX

Software Engineer, SolarCity, San Francisco, CA

2014 - 2017

- Tech lead for design automation team
- Built proprietary design software and APIs to increase the quality and efficiency of solar, electrical, and structural design. Domain expert for electrical, shading, and production algorithms
- Developed 3D roof modeling software to replace expensive vendor costs
- Languages: JavaScript, C#
- Tools: .NET/Core, AutoCAD, SQL, REST, Jenkins, Git, React, Redux, Three.js

PV Design Engineer, SolarCity, San Mateo, CA

2014 - 2014

- Designed custom photovoltaic systems for homes across the US
- Built detailed electrical systems and drawings in AutoCAD for installation and permitting

Mechanical Engineer & Product Designer, Ambix LLC, Albany, NH

2013 - 2014

- Worked with clients to develop the most effective ideas for industrial and consumer products
- Designed, modeled, and prototyped products using SolidWorks and 3D printing technologies
- Designed plastic parts using best DFM practices for injection and other molding processes

Mechanical Design Intern, Ambix LLC, Conway, NH

2012 - 2013

- Designed and modeled plastic products for clients as well as for in-house application
- Operated and serviced 500-ton industrial injection molding machines

Education

BS Mechanical Engineering, Union College, Schenectady, NY

2013

GPA: 3.7, cum laude, with honors

More

www.seamus.dev, www.github.com/sfeidersullivan, www.linkedin.com/in/sfeidersullivan