

# ERIK GRACIOSA

## FULL STACK SOFTWARE ENGINEER

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### BIO

Dependable engineer with a passion for continued learning and implementing new technologies and design patterns. Constantly striving to refine problems into measurable objectives. A team leader in projects at HP, Microsoft and Element Six that designed, planned, and directed multi-discipline engineers and technicians to install and refine factory automation equipment across printing, touchscreen, and lab-grown diamond industries.

### TECH STACK

Languages:

**JavaScript, Typescript, C#, HTML, CSS, SQL**

Env/Frameworks:

**React, Angular, Node.js, Express, PUG, Redux, ASP.NET**

Databases:

**PostgreSQL**

Testing Suites:

**Jest, xUnit, Jasmine/Karma**

Cloud:

**Azure**

Other:

**Github, Heroku, Netlify, VSCode, Postman, PGAdmin, Agile/Scrum, Miro, StripeAPI, Jira**

### EDUCATION

**Oregon State University**

B.S. Mechanical Engineering  
2008

**Alchemy Code Lab**

800hr SW Developer Training  
Sept 2020-March 2021

### VOLUNTEER/AWARD

**Corvallis Bicycle Collective**

Board Member 2014-2015

**Fundamentals of Engineering Certified (Oregon)**  
2008

### WORK EXPERIENCE

#### Slalom

Associate Consultant - Software Engineer | Sept 2021 - Present

- Built user facing information intake form for a large healthcare company using .NET MVC/RazorPages enabling customer information to be saved.
- Enabled accessibility WCAG standards and confirmed coherent screenreader output using VoiceOver/NVDA.
- Implemented error messaging to users using jQuery and vanilla javascript to allow users to submit a valid form.
- Implemented pre-populated form inputs using URL routing and query strings from referrer to match client designed UI/UX.
- Confirmed mobile experiences using BrowserStack on Android and iOS and adjusted experience as required due to soft keyboard behaviors and requirements set from client.
- Wrote tests for methods of PageModel using xUnit library to ensure non-breaking changes.
- Built proxy relationship management page using Angular 9.
- Wrote unit tests for services and components using Karma/Jasmine.
- Deployed front end using Azure Dev Ops Pipelines.
- Integrated Formstack CMS for user input flow and built custom summary pages with error handling.

#### Element 6

Lead Equipment Engineer | 2019 - 2020

- Responsible for final sign off for all equipment to go into production.
- Defined and confirmed scope of work with manufacturers for automation equipment.
- Wrote maintenance procedure and trained all engineers and techs.

#### Hewlett-Packard

Mechanical Design Engineer | 2010 - 2014, 2016 - 2018

- Designed parts and assemblies for 3D Printers focusing on fluid transport from ink cartridge to printhead.
- Wrote scripts for validation testing of printers.
- Project manager of onsite customer teams for HW and SW deployment and validation of high volume digital printing presses.

#### Microsoft (contract via EASI/Aerotek)

Process Development Engineer | 2015 - 2016

- Research and development for precision placement(300micron) of flex circuits and conductive adhesive for Surface Hub Touchscreens using Cognex vision systems.
- Patent submission for novel adhesive application.
- Wrote G-code for CNC prototyping equipment and basic I/O.

#### Intel

Process Engineer | 2008 - 2010

- Verified process matching of equipment by measuring critical characteristics to enable process transfer.

### CERTIFICATIONS

**AZ900 (I129-4468, FEB 2022)**

**AZ204 (In progress)**