

# MEREL JACOBS

## SOFTWARE ENGINEER

### ABOUT ME

With over 5 years of experience in software engineering, specializing in JavaScript, React, and Python, I'm deeply passionate about crafting user-centric solutions. Known for my self-starter mentality and collaborative approach, I deliver efficient, detail-oriented code. Joining your team, I bring innovative solutions, an eager work ethic, and a contagious passion for producing high-quality, product-driven software.

### CONTACT

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Location: Portland, OR

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Portfolio: <https://mereljac.dev>

GitHub: <https://github.com/MerelJac>

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### EDUCATION

#### UNIVERSITY OF OREGON & EDX

Full Stack Web Development Bootcamp

2023

#### UNIVERSITY OF PORTLAND

B.A. in Psychology & Neuroscience

2020

### TECHNICAL SKILLS

- HTML 5, CSS, SASS, PHP
- TailwindCSS, Bootstrap
- Javascript, Typescript, Python
- React, Angular, Wordpress, Ruby on Rails
- Node.js, Express Servers
- noSQL, SQL, RESTful API, GraphQL
- Git, GitHub, GitLab
- Object Oriented Programming
- Cloud Platforms (GCP/AWS), Heroku, Digital Ocean
- Nginx, Docker, Ansible, Terraform, Jenkins

### PERSONAL INTERESTS

#### PERSONAL TRAINER

[www.coachmerel.com](http://www.coachmerel.com)

#### CLASSICAL VIOLINIST

### WORK EXPERIENCE

#### LOOPDASH

Contract Software Engineer

2024 - Present

##### Code3/Intel

- Architected and maintained a web application using Ruby on Rails, React, and JavaScript to create a inventory dashboard to display most recent status for Amazon products based on daily scan of 3rd party API.
- Met with clients to discuss future developments and innovate solutions.
- Deployed low latency, cost effective, scalable code with Amazon Web Services.

Key Accomplishment: Planned and executed database management via interactive options on the user interface to export .csv and .png data.

##### UN World Ocean's Day

- Improve site to promote photo competition and event's calendar.
- Delivered quality assured code before deadlines using JavaScript, PHP, and CSS.

Key Accomplishment: Refactored code to allows users to submit events and view other events to meet client standards and match the Figma design.

#### REN - CLIMATE TECH SAAS

Contract Software Engineer

2023

- Collaborated with product team and customer success to innovate software as a service aiding in the decarbonization of the global supply chain via Climate Tech Start-Up Company.
- Leveraged Angular, TypeScript, and Python to deliver code to production.
- Used Git for version control, tracking changes, and collaborating with team members.
- Collaborated with cross-functional teams in an Agile environment to deliver features and improvements in timely iterations deployed on Google Cloud Platform.
- Participated in daily stand-ups, sprint planning, and retrospective meetings to ensure effective communication and project progress.
- Conducted code reviews to ensure code quality, adherence to best practices, identifying and resolving bugs, and collaborative learning within the team.
- Actively engaged in self-directed learning and pursued additional training to enhance skills in emerging technologies.

Key Accomplishment: Architected and implemented a robust system overhaul to optimize user experience, strategically rerouting key functionalities to enhance accessibility and streamline operations for clients.

#### SPROUTBOX MEDIA

Web Developer

2023

- Architected and developed an online library for the City of Happy Valley using JavaScript, PHP, HTML, and CSS.
- Allows client to manage content in a reliable way matching design standards.

#### OREGON HEALTH & SCIENCE UNIVERSITY

Research Assistant

2018 - 2021

- Processed data including fMRI and PCR results with RStudio, MatLab, SPSS, Python & shell scripting to analyze interaction of drugs of abuse on the brain.
- Published results in Frontiers in Psychiatry, 2nd author
  - <https://www.frontiersin.org/articles/10.3389/fpsy.2020.00090/full>