

Eduardo Sousa Silva

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Software engineer with hands-on experience building scalable, user-friendly web and mobile applications using React, Node.js, Flutter, and RESTful APIs.

EDUCATION

M.S in CS - Software Engineering Specialization <i>Seattle University</i>	Sep 2023 - Mar 2025
CS Fundamentals Certificate <i>Seattle University</i>	Jun 2022 - Jun 2023
B.S in Medical Physics <i>Federal University of Goias - Brazil</i>	Feb 2016 - Feb 2021

PROJECTS

Eduardo Sousa - Portfolio <i>Seattle, WA</i>	Summer 2025
<ul style="list-style-type: none">Designed and developed a responsive portfolio website to showcase professional projects and experienceBuilt frontend using React and implemented dynamic UI components for a clean and modern designDeveloped a backend service with Node.js, exposing a RESTful API to handle contact form submissions using Mailgun.jsDeployed both the frontend and backend using Render, configured with a custom domain at www.esousa.dev	
Black Swan Event Scheduler - Capstone UI/UX Design Prototype <i>Seattle University</i>	Winter 2025 <i>Seattle, WA</i>
<ul style="list-style-type: none">Designed a Figma-based UI/UX prototype for an event scheduling mobile application called Black SwanCreated user flows, wireframes, and high-fidelity prototypes focused on efficient scheduling and clean aestheticsIncorporated feedback through usability testing to improve interface accessibility and responsiveness	
Mobile Application - ScheduleRx <i>Seattle University</i>	Winter 2025 <i>Seattle, WA</i>
<ul style="list-style-type: none">Created a mobile app using Flutter and FDA OpenAPI to retrieve drug label informationImplemented features to log medication intake and set up recurring remindersUsed Firebase Authentication and Firestore for cloud storage and data syncing	
Mobile Application - Workout App <i>Seattle University</i>	Winter 2025 <i>Seattle, WA</i>
<ul style="list-style-type: none">Developed a collaborative workout app using Flutter allowing users to create, import, and share workoutsIntegrated Firebase and Firestore for authentication and cloud data storageUsed SQLite for local persistence and offline data access	
Web Development - Excision Trading Card Website <i>Seattle University</i>	Fall 2023 <i>Seattle, WA</i>
<ul style="list-style-type: none">Designed and developed a website for a class project using ASP.NET and C# for back-end web developmentUtilized GitHub for version control, ensuring organized code management and collaboration	
Bilimetrix USA Web Development Volunteer Summer Project <i>Seattle University</i>	Summer 2024 <i>Seattle, WA</i>
<ul style="list-style-type: none">Collaborated on a non-profit website to improve code quality and user experienceIdentified and resolved bugs in the website's source code, enhancing performance and functionalityUtilized ASP.NET framework and C# for back-end development and debugging	
Image Manipulation using gRPC API <i>Seattle University</i>	Winter 2024 <i>Seattle, WA</i>
<ul style="list-style-type: none">Developed terminal-based image manipulation features using gRPC API	

- Employed EmguCV for advanced image processing capabilities
- Managed project workflow with GitHub, ensuring effective version control and collaboration

Unit Testing for HISE Python SDK

Spring 2024

Seattle University

Seattle, WA

- Contributed to an open-source project, HISE (Human Immune System Explorer), a platform for analyzing human immune system data
- Developed unit tests using the **pytest** framework to improve code coverage and ensure software reliability
- Enhanced testing infrastructure to support maintainability and accuracy of analytical results

TECHNICAL SKILLS

Languages: Python, JavaScript, Dart, C#, SQL

Frameworks/Technologies: React, Flutter, SQFlite, Firebase, Firestore, ASP.NET, EmguCV, gRPC/RESTful API

Testing tools: Flutter Test, JUnit, Selenium, Pytest

Developer Tools: GitHub, VS Code, Visual Studio, IntelliJ, Android Studio, Figma

Methodologies: Agile (Scrum, Kanban)