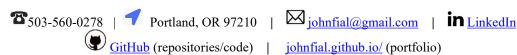
# John Fial



#### **EXECUTIVE SUMMARY**

Self-motivated Software Engineer and Full-Stack Developer established at learning new technologies and teaching others. Python and JavaScript, HTML/CSS for web development. Passionate about depth in programing (vs. breadth), and coding solutions optimizing for speed and scalability. Interest in computer science fundamentals and algorithms. Bachelor's in Security Management and knowledge of security, hacking, networking, protection, etc.

## PROFESSIONAL EXPERIENCE

**PDX CODE GUILD** (graduate of Full-Stack course, January 2021) Teaching Assistant

March 2021 - Present

Remote

• Assist instructor in materials, syllabus, lesson planning, and curriculum. Assist in preparation of new programming "laboratory" exercises (homework) for students. Assist instructor at random throughout lectures. Met with students 1-on-1 (remote) to help grasp initially or further their understanding of introductory programming concepts for the course. Taught and provided

UNITED STATES AIR FORCE 2007-2011

Airborne Sensor Operator (1A4x1)

Warner Robins AFB, GA, USA (plus deployments)

**EDUCATION** 

UNIVERSITY OF ARIZONA December 2014

Master's, Molecular and Cellular Biology

## **AMERICAN PUBLIC UNIVERSITY SYSTEM (remote)**

May 2011

Bachelor's, Security Management (Coursework included Evaluation of Security Programs, Contemporary Issues in Security Management, IT Security: Attack & Defense, IT Security: Auditing, Cyberlaw and Privacy in a Digital Age, and Industrial Espionage)

**PROJECTS** 

## **CHILDHOOD CANVAS**

Deployed: <a href="https://johnfial.pythonanywhere.com/">https://johnfial.pythonanywhere.com/</a> | Code: <a href="https://github.com/johnfial/childhood\_canvas">https://github.com/johnfial/childhood\_canvas</a>

technical support; troubleshooted problems, managed online questions via live-stream chat.

• Visual play sandbox for older babies and toddlers, intended for full-screen, limited-feature use, focus on keyboard interaction. Deployed via PythonAnywhere. Django (Python) on back-end, JavaScript on front-end; uses Vue.js for its DOM.

#### **LORD OF THE RINGS QUOTES**

https://johnfial.github.io/LOTR\_API/ | Code: https://github.com/johnfial.github.io/tree/main/LOTR\_API

• Exercise demonstrating building a web app to interact with an API using Vue.js.

**SKILLS** 

# Languages

Python, JavaScript ES6, CSS3, HTML5

#### Tools, Libraries, Frameworks

Django & DRF, Vue, Konva, introductory React, Selenium (Python), Cryptocurrencies, DVORAK, DOM, OOP, Networking & TCP/IP, API and RESTs, Open-source, Security protocols (CSRF, XSS, SQLi)

# **Applications**

GitHub, git, , pip, Git Bash, PowerShell, Cmder, VS Code, Ajax, PythonAnywhere, Sync/Dropbox, Microsoft Office 365, vim **Practices** 

MVC, CRUD, REST, MVP, Agile, Scrum, JSON, Project Management, Risk Management, Database Design, Responsive Design, Graphic Design