

PROFILE: Full stack software engineer with a decade of leadership experience in public, private, and non-profit organizations. I develop software to bridge sectors and foster better outcomes for stakeholders.

LANGUAGES:

JavaScript(JS), TypeScript(TS), Python, SQL, HTML, CSS, Git, R

FRAMEWORKS:

Node.js, Sequelize, SQLAlchemy, Express, Flask, Django, Prisma, React, React-redux, , Tailwind-CSS

TOOLS:

Github, Amazon Web Services(AWS), Docker

OTHER:

Statistical Product and Service Solutions (SPSS), Geographical Information Systems (GIS), Project coordination and management, Microsoft Office, French (advanced fluency) & Spanish (novice fluency)

RECENT EMPLOYMENT

GAZELLE ECOSOLUTIONS · *Full-stack Software Engineer* · Austin, TX Oct 2023 - Present

- Led front end development of new software launch (react, react-redux, tailwind-CSS) with Google Earth Engine (GEE) interface and components.
- Developed and tested UI/UX-centered components in react and developed Stories and documentation
- Optimized software interfacing with GEE by querying Landsat data to return remote sensing calculations using python scripting
- Managed product and led full stack development (react, react-redux, tailwind-CSS, Django, Prisma) to provide project developers a platform to input data for VCS VM0042, Methodology for Improved Agricultural Land Management
- Researched GEE optimization and presented conclusions internally
- Presented product to stakeholders and potential funding sources

VETERANS BENEFIT ADMINISTRATION (VBA) · *Veterans Service Representative (VSR)* · Chicago, IL Sep 2019 - Aug 2022

- Served as the Homeless Veterans Claims Coordinator (HVCC), coordinating care and paperwork for homeless veterans to expedite benefit awards resulting in a 30-90% reduction in wait time
- Determined compensation eligibility by requesting, analyzing, and developing medical evidence

GREENHEART EXCHANGE · *Program Assistant* · Chicago, IL May - Aug 2019

- Directly and indirectly supported J-1 visa participants in navigating work, travel, and housing concerns by ensuring their health, welfare, and safety during their program
- Generated daily and weekly reports via database systems to support program management

PEACE CORPS (PC) TOGO *Reforestation Monitoring and Evaluation (M&E) Specialist* · Togo, W. Africa Jun 2015 - Sep 2018

- Trained and supervised a team of four Togolese and four PC Volunteers to conduct long term assessment of reforestation initiatives in rural Togo, conducted 41 site visits throughout the country, and generated a comprehensive outcomes report to redesign PC Togo's agroforestry program
- Conducted comprehensive on-site needs assessment. In response trained, and coordinated a team of Togolese volunteers to co-facilitate 89 community trainings across five (5) villages for 663 adults and youth in reforestation, sustainable agriculture, nutrition, and environmental stewardship.

TOD'S CAFÉ *Assistant Manager* Jan 2012 - Apr 2015

- Managed inventory, ordering, scheduling, and pricing for a café bakery that served 350 clients daily, grossing over \$300,000 annually
- Directed daily product delivery between sister restaurants, processed customers' special requests, and fulfilled catering orders
- Onboarded, trained, supervised, and managed staff meetings for five personnel

EDUCATION

App Academy · *Full Stack Web Development* Graduated July 2023

- JS, Python, SQL, HTML, CSS, Git, SQLite3, Express, SQLAlchemy, Flask, React, Git, AWS, Node.js
- MacOS X Unix systems, TCP/IP, Security

DePaul University · Chicago, IL Graduated August 2022

- *Master of Science in Public Policy*

University of North Carolina Asheville · Asheville, NC Graduated May 2013

- *Bachelor of Science in Biology*
- *Bachelor of Arts in French*

PERSONAL SOFTWARE PROJECT EXPERIENCE

SOIL MATES · Python · Flask · SQLAlchemy · React · Git · CSS · Mapbox

[GitHub Repo](#) · [Live Site](#)

- Employed Mapbox API with International Soil Research Information Center (ISRIC) API so users can click on a map to query soil data for that location, allowing for simple data retrieval without the need for knowing coordinates
- Implemented posting, commenting, and voting features which allow for users to share soil data and information similar to Stack Overflow
- Utilized React Redux to manage state and normalize data, providing for smooth scaling into larger traffic and data sets
- Implemented AWS functionality to provide user with optional profile picture and to allow them to customize their profile

EVERY NOTE · Python · Flask · SQLAlchemy · React · Git · CSS

[GitHub Repo](#) · [Live Site](#)

- Managed git pull requests and merge conflicts in amicable group setting to create a clone of Ever Note in under two weeks
- Implemented Flask database backend and React front end to provide users with a note-taking function organized by notebooks and tags as well as a tasks keeper to reinforce user organization
- In combination with React-Redux store, organized components in a way to provide snappy response time to users with full CRUD functionality.

FAIR BNB · JS · Express · React · Git · CSS

[GitHub Repo](#) · [Live Site](#)

- Created clone of Airbnb with an emphasis on modal use as a means to expedite functionality
- Implemented Express backend with React-redux front end to provide quick response times for user
- Created rating system which dynamically responded to base calculations
- Employed AWS as a means for storing spot photos to provide longer-term data stability