Kyle Provencal

Windham, ME
207-409-7776
kjprovencal@gmail.com
www.kprovencal.com

EDUCATION

2019–2022 — **BS in Computer Science**, *University of Massachusetts Amherst*, Amherst, MA

EXPERIENCE

Since 2024 — **Junior Developer**, *Reconnect*, Cumberland, ME
- Designed and built several full-stack, HIPAA-compliant case management reporting tools.
- Contributed to the ongoing migration process from our main outdated "startup" codebase to a modern and coherent TypeScript environment.
- Spearheaded the effort to provide predictable and responsible error monitoring/handling and reliable escalation response.
- Gained hands-on experience with AWS, optimizing load balancing and database querying to improve scalability as our user base grows.

2022–2024 — **Support Engineer**, *Reconnect*, Cumberland, ME
- Identified, documented, fixed, and tested issues found in production.
- Executed SQL queries to gather and modify data.
- Provided technical support to customers and coworkers.

2019–2020 — **Herbarium Lab Assistant**, *University of Massachusetts*, Amherst, MA
- Imaged specimen, performed post-processing adjustments using Adobe Lightroom, georeferenced the recorded collection, and entered specimen data into a Specify database.
- Helped contribute to the collection of over 100 million digitized biological specimens.

PROJECTS

2024 — **kprovencal.com**
- Built a personal website using Next.js and PocketBase
- Deployed and hosted the site via nginx on an Ubuntu container
- Introduced myself to and became proficient with TypeScript and Go development.
- Continue to improve existing and add new React components, Tailwind styled elements, and full-stack features.

2021 — **Ethisim**
- Led the DevOps team, overseeing integration efforts across multiple teams.
- Facilitated stand-up meetings, organized weekly sprints, and provided support to team members.
- Created automated tests for other teams to use when pushing changes to the GitHub repository

ADDITIONAL

- Relevant Coursework: Data Structures and Algorithms, Software Engineering, Database Management, Intro to Computation, Intro to Algorithms, Search Engines, Operating Systems, Applications of NLP, Computer Networks, Algorithmic Fairness
- Programming Languages: JavaScript/TypeScript, PHP, Python
- President of Maine School of Science and Math's Rocketry Club (2018)
- Participated in UMass CYBERSEC Club's Capture-the-Flag events in 2020 and 2021