Richard D. Paul

Full-stack developer with teaching, automation, and AI experience.

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EXPERIENCE

SA Charter School, Salem MA — *Computer Science Teacher*

JANUARY 2025 - PRESENT

Taught coding, algorithms, and real-world CS to 70+ students; developed curriculum in CS, AI/ML, and web design.

J. Barrett & Co., Remote — *Freelance Web Developer*

JANUARY 2024 - MAY 2024

Built and deployed a web app to automate real estate event scheduling, saving 5+ staff hours weekly.

FIRST Robotics, Software Engineer Intern — Summer 2023

Summer 2023

Developed an automated testbed and CI pipeline for robotics software, accelerating testing and bug fixes.

Cisco, Maynard MA — *Technical Co-op (DevOps)*

JUNE 2022 - DECEMBER 2022

Developed Java services, managed Jenkins CI/CD pipelines, and improved DevOps automation for cloud deployment (Docker, Kubernetes)

Mutualink, Westford MA — *QA Automation Engineer Intern*

Summer 2021

Automated REST API and Jenkins pipeline testing, expanding CI/CD coverage and reliability.

EDUCATION

University of Massachusetts Amherst, M.S. & B.S. Computer Science — *2019 - 2024, Dean's List, GPA 3.4+*

PROJECTS

Referral System (Node.js, React, MySQL): Engineered a scalable microservices platform for referral tracking, leading API design, cloud integration, and SQL database management.

Serverless Dependency Security Analysis: Assessed AWS Lambda security, analyzed third-party risks, and recommended cloud reliability improvements.

SKILLS

Java, Python, JavaScript (ES6+), Bash, C/C++

AWS (EC2, S3, Lambda), Docker, Kubernetes, Jenkins, CI/CD

React, Node.js, Flask, HTML5, CSS3

MySQL, PostgreSQL, MongoDB

Git, Agile/Scrum, Jira

Unit & integration testing, automation

Curriculum design, team leadership

AWARDS

Eagle Scout (BSA, 2019)

Highest Scoring Student, ARML Alternate Division (2018)

Dean's List, UMass Amherst (2022–24)

Captain, Robotics Team (2018–19)

President, Board Game Club (2022–24)