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John Furlong

johnfurlong.io

GitHub: github.com/jfur1

LinkedIn: linkedin.com/in/jfur1

Education

Boulder, CO	University of Colorado, Boulder	Aug 2016 – Dec 2020

- Bachelor's Degree in Computer Science   CS GPA: 3.5 / 4.0

Employment

Software Engineer	Western Union – Denver, CO	July 2021 – Present

- Developed, implemented, and tested new stories for the core platform.
- Regularly addressed production bugs and improvements in existing services using **React.js/TypeScript, Redux** and **Java** to utilize **CI/CD** pipelines and rapidly iterate.
- Experience working with relational (**PostgreSQL**) and non-relational (**MongoDB**) database models.
- Used **Splunk** and **Jest** to log metrics and perform test coverage.

Software Engineer	Phia Labs – Boulder, CO	Sept 2020 – Jan 2021

- Implemented administrative functionalities for a client, written in **PHP**.
- Increased customer engagement, sales, and overall performance.
- Worked closely with client to deliver sprints on time.

Server	Rosetta Hall – Boulder, CO	June 2019 – June 2021

- Worked 30 hours per week as a full-time student.
- Required strong communication and multitasking in a fast-paced work environment.

Projects

Full Stack Portfolio App

https://my-portfol.io

- Developed a full stack web application where users can host their portfolios.
- User interface created with **React.js.**
- Developed REST API with **Node.js/ Express** and **PostgreSQL**.
- Regular standups, sprints, retrospectives, and task elimination.

Pathfinding Visualizer

https://github.com/jfur1/pathfinding

- Created a web application using **React.js** to visualize various pathfinding algorithms.
- Users can draw walls and run search algorithms like BFS, DFS, Dijkstra's.
- Regular standups, sprints, retrospectives, and task elimination.

Technical Skills

- Languages: C++, Python, JavaScript/HTML/CSS, SQL, Bash
- Frameworks: React.js, Node.js/Express.js, Redux, jQuery
- Tools: Git, Linux, Docker, AWS (RDS, DynamoDB), JIRA, CI/CD