Dylan T. Vavra

(804) 258-3249 | vavradylan@gmail.com | https://github.com/dvavs | https://linkedin.com/in/vavrad

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EMPLOYMENT

Software Developer   Dec. 2019 – Present
Paymerang   Richmond, VA

Responsibilities

- Design, develop, and perform user acceptance testing of software throughout the software development lifecycle, working with product and technical stakeholders in a Kanban workflow.
- Write technical documentation and prepare training materials. Present on team initiatives and technology topics to increase knowledge and promote collaboration throughout the department.
- Tune SQL stored procedures for performance, maintain pipelines between data stores (RDS, DynamoDB, ElasticSearch, S3) and environments, and collaborate to build new products and services as a member of the data team.

Accomplishments

- Created an Extract, Transform, and Load (ETL) pipeline to migrate data from DynamoDB to ElasticSearch, solving a recurrent pain point with environment deployment and increasing the pace of development.
- Developed an automated reporting system for clients, providing time and cost savings for members of the internal finance department.
- Built the data access layer for cloud-native application replatform, using DynamoDB as system of record.

Research Lab Specialist – Psychology   Jan. 2016 – Dec. 2019
University of Richmond   Richmond, VA

- Served as department technical support, taking tickets and resolving issues with hardware and software.
- Programmed an EMG interface to turn facial expressions into computer input using Arduino microcontrollers.
- Designed, conducted, and published research studies – participating in, among other things, the successful training of rats to drive cars.
- Compiled, curated, and analyzed data sets for large studies and meta-analytic reviews using Excel and R.

SKILLS

Languages

Proficient: JavaScript, HTML, T-SQL

Familiar: Bash, Rust, C#, CSS, R

Tools, Environments, and Frameworks

Node.js, Git, Azure DevOps, AWS, DynamoDB, RDS, ElasticSearch, Lambda, Serverless, S3, Docker, REST APIs, React.js

Open Source Contributions

node-input-validator, open brewery database (obdb)

EDUCATION

- *Full Stack Web Development Certificate* (2019) | University of Richmond, Richmond, VA
- *Bachelor of Arts in Psychology* (2014) | University of Richmond, Richmond, VA