

Jacob Broderick

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TECHNICAL EXPERTISE

Languages SQL, Python, Golang, C#, Javascript, HTML/CSS

Technologies .Net MVC, Git, SVN, Microsoft SQL Server, MySQL, Redis, kafka, TFS, Jenkins, Flask

EXPERIENCE

Database Developer

Vancouver, WA

OfficeAlly

January 2018 - Present

- Transitioned database schemas to git version control to ensure that changes to tables and stored procedures are properly tracked across all environments
- Created a continuous deployment workflow using Jenkins pipelines resulting in databases automatically deploying to servers upon commit
- Designed tables and stored procedures for new features based on stakeholder requests
- Refactored tables and stored procedures in TSQL to improve performance and usability, leading to less downtime for customers
- Collaborated with developers to determine best design for data objects to ensure that code quality is up to standard
- Utilized multiple databases such as Redis, kafka, and MongoDB to ensure data delivery is efficient and stable
- Reviewed other developer's code resulting in fewer bugs when production ready
- Managed junior developers to ensure their success

Software Engineer

Corvallis, OR

Coelo, Company by Design

June 2017 - December 2017

- Improved lab processing time by creating a C# image processing application to analyze images of fish
- Designed and implemented prototypes with the purpose of updating deprecated machine learning software with new requirements

Software Engineering Intern

Corvallis, OR

HP inc.

June 2016 - August 2016

- Created an Oracle SQL database object to pre-process 40 terabytes of data, greatly reducing overall application run time
- Improved ink processing analysis by querying various metrics, contributing to improved insight and rapid reduction in processing errors

PROJECTS

Bag Of Holding Bot Discord.gg chat bot that tracks items Dungeons and Dragons players have in their character's bags of holding. Players can store, retrieve, and clear out the bag through the chat interface. Allows the Dungeon Master to secretly add and remove items. Written using Python, MySQL, and Docker for uniform deployment across platforms

EDUCATION

Bachelor of Science in Computer Science

Corvallis, OR

Oregon State University

2017