

Gregory Murray

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An experienced software engineer that loves to design and implement technical solutions in a complex codebase. I am a practical and adept problem solver that can quickly pick-up new technology stacks. I look forward to joining a team where I can contribute and continue growing as a developer.

WORK EXPERIENCE

Ocient

Senior Software Engineer

Chicago, IL
03/2021 – present

- Led a team of 4 software engineers, helping them contribute to a codebase with over a million lines.
- Spearheaded stability efforts to add more unit test coverage to legacy code, helping burn down the rate of open defects by up to 30%.
- Refactored the way memory is passed around the database engine, removing a size constraint on variable-length columns that was impacting customer schemas.
- Managed multiple engineering projects, communicating with non-technical co-workers the status and technical constraints of high-priority work.

Software Engineer II

04/2019 – 02/2021

- Engineered the core protocol to fetch statistical parts in a distributed system, leading to a 250% speedup in retrieval times.
- Mentored 4 interns and helped convert 3 of them to full-time employees.
- Architected the design of a new array data type, allowing customers to simplify their schemas and achieve better performance.
- Conducted over 80+ technical interviews for collegiate and entry-level hires.
- Selected as 1 of 3 high-yielding engineers to enter a rotational program to become system experts within the company.

Software Engineer I

05/2018 – 03/2019

- Rearchitected the logging infrastructure to be multi-threaded, improving logging latency by ~90%.
- Worked on creating a complex data generator that mimicked a real world AdTech dataset. Led the load of a 2 trillion row benchmark that was published internally for investors.
- Refactored large parts of the code base to clean up our loading infrastructure and consolidate re-usable code. This allowed us to easily implement and design loading a new file format (CSV).

Echelon Consulting

Software Engineer Intern

Chicago, IL
06/2017 – 08/2017

Pivotal Labs

Software Engineer Intern

Chicago, IL
07/2016 – 08/2016

Citadel LLC

Technology Intern

Chicago, IL
06/2015 – 08/2015

TECHNICAL SKILLS

Languages: C++, Python, Dart, Java, JavaScript, SQL, HTML/CSS

Practices: Test driven development (TDD), Pair programming, Scrum, Flutter BLoC, Project management

Tools/Frameworks: Git, Flutter, Protobuf, Django, VTune, React.js, Redux.js, Gtest, Gitlab, Google Firebase

EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science

Minor: Mathematics

05/2018
GPA: 3.7/4.0

PROJECTS

“Dubs” mobile application

- Taught myself dart and flutter to create a messenger mobile application that can be deployed to IOS and android.
- Collaborated with a project manager, iterating on user design and implementing pages based on wireframes.
- Setup a Firebase backend to store user data, interacting with the backend using Flutter BLoC design pattern.