

Gregory Murray

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I am a dynamic and creative software developer that grew up in the Chicago area. I have quickly risen up within my company, producing testable, modular code that can be extended upon. In my current and previous roles, I have been complimented on my ability to communicate a technical solution to other non-engineering team members (sales, product manager, etc.).

WORK EXPERIENCE

Ocient

Chicago, IL

Ocient is a software startup that is building a time-series SQL compliant database from the ground up. Their goal is to become a leader in data analysis for datasets 100TB and up. Joining the company with less than 30 employees, I have designed and implemented solutions that involve large scale distributed systems and low-level high-performance C++.

Software Engineer II

04/2019 – present

Provided object-oriented solutions and a more formal process for managing large projects to the parsing and optimizer team.

Achievement highlights:

- Designed, planned, and managed a large project that would add support to 4 new data types (array, tuple, matrix, vector). Held standups, retrospectives, and kept a roadmap for a small team of engineers.
- Became involved in the recruiting process, coming up with my own unique technical question for interviews
- Conducted market research to identify features that our product was lacking in the load space.
- Architected what a loading cluster would look like in our system. This included smart persistence and distribution of work on top of a RAFT consensus protocol.
- Addressed loading issues for customer pilots quickly and worked closely with the Sales team on improving usability.
- I was one of 3 young engineers selected to enter a rotational program to become system experts within the company.

Software Engineer I

05/2018 – 03/2019

Instantly came in and contributed to a company that was getting ready to pitch to customers. I worked on the extract transform load (ETL) team and worked closely with sales. **Achievement highlights:**

- 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) into our system.
- Worked on creating a complex data generator that mimicked a real world AdTech dataset. Led the loading of a 2 trillion row benchmark that was published internally for investors.
- Implemented a cancel/kill query command to the database engine, improving the production readiness of the database.
- Optimized performance on slow queries by using V tune to pinpoint slow sections of critical code paths.
- Rearchitected the logging infrastructure to be multithreaded, greatly improving the performance of the entire system.
- Became the only engineer in my starting class to be promoted within less than a year.

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, Java, JavaScript, SQL, HTML/CSS, C

Practices: Test driven development (TDD), Pair programming, Scrum

Tools/Frameworks: Git, VsCode, IntelliJ, Eclipse, Django, Spring, Hibernate, React.js, Redux.js, Gtest

EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science

Minor: Mathematics

05/2018

GPA: 3.72/4.0