

Website
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Programming
Java
C/C++
JavaScript
TypeScript
Python
Haskell
Bash

Tech
Linux
Git
SQL
MongoDB
NodeJS
React

Michael J. Connor

Software Engineer

Work Experience

- NexJ Health **Software Engineer** [March 2021 - Now](#)
- Developed RESTful and RPC based APIs in an Agile environment
 - Implemented general authentication service with two factor authentication
 - Designed batching for services reducing network load and service latency
- Nanopay **Software Engineering Intern** [May 2019 - December 2019](#)
- Developed a new security authorization framework
 - Designed and implemented database performance monitoring API
 - Developed declarative API for use in creating micro-services, reducing related bugs in codebase by over 80%

Open Source Contributions

- FOAM Framework** foam-framework.github.io/foam
- Improved parser to make scripting language more developer friendly

Personal Projects

- Typescript **Real-time Messaging Web Application** chatter.michaelconnor.ca
- Uses RESTful API and websockets, with PostgreSQL storage and React UI
 - Features secure authentication with salted hashing of passwords
 - Deployed on AWS instance with a load balancer to provide SSL certificate
- C++ **Distributed File System** [Georgia Institute of Technology](#)
- Distributed file system allowing for storage and retrieval of remote files
 - Weak consistency model to allow for higher throughput in concurrent ops
 - Distributed locking construct to allow synchronization of file writes
- Java **Open World Game** github.com/michaelconnor468/Mystic
- Scalable multi-threading capable of utilizing high-core processors
 - Completely modifiable and dynamically loaded infinite open world
 - Regression unit testing using the JUnit library
- Java **Krisp Language and Compiler** github.com/michaelconnor468/KrispCompiler
- Front end compiler that generates intermediate machine code similar to x86
 - Krisp language supports basic constructs such as variables and loops

Education

- 2021 - 2023 **Master's in Computer Science**
Georgia Institute of Technology
- 2017 - 2021 **Bachelor's in Computer Science and Mathematics**
University of Toronto