

Malcolm Macomber

Software Engineer

//malcolm.work/
hello@malcolm.work

Experience

Software Development Engineer @ Amazon

April 2021 – Current

- Designing and implementing new services that optimize sortation within Amazon's fulfillment centers
- Owning a dozen Java-based, distributed, highly-available, backend services used around the globe, which ensure on-time delivery of millions of packages, and which keep Amazon's logistical network in compliance
- Developing using the latest AWS cloud computing technologies
- Mentoring less-experienced coworkers to get them contributing quickly and to grow their careers
- Delivering results in a fast-paced environment with shifting priorities

Senior Software Engineer @ Garmin

June 2018 – March 2021

- Helped to implement a hybrid (i.e., client-server) Automotive OEM product. Very involved in getting the QNX client to communicate with the CentOS servers. Very involved in server design.
- Maintained, improved, and added features to a component within the navigation core that goes into Garmin's Automotive OEM products. This component is responsible for accessing the map data on the device and on the new servers (mentioned above).

Software Engineer II @ Garmin

April 2014 – June 2018

- Improved and maintained several Groovy web applications and web services
- Helped implement phonebook and SMS syncing on an embedded system demo project (C++ with QT front-end)
- Worked in C++ to maintain/improve several components in the navigation core that goes into Garmin's Automotive OEM products. The first component predicts where the driver is going based on drive history. The second component is responsible for determining all spoken and visual advices to guide the user on the route.

Application Development Specialist @ IBM

September 2012 – April 2014

- Consulted for a large financial client
- Improved and maintained several Java J2EE web applications, both internal and end-user applications
- Completed extensive front-end development as well

Skills

Languages — Java, C/C++, bash scripting, Python, JavaScript, Groovy

Frameworks/Libraries — Dagger, Guice, Struts, Spring, Spring MVC, log4j/slf4j, jQuery, QT, Boost (especially ASIO), Grails, SOAP/Rest, GraphQL

Technologies, etc. — AWS (Lambda, DynamoDB, EC2, S3, VPC, ElastiCache, IAM, etc.) git, sqlite3, mysql, tcServer, IBM WebSphere Application Server, Apache Tomcat, Linux Development (various distros), QNX, Windows Development, Mac OS X Development, Agile/Scrum

I continually demonstrate the ability to quickly and effectively onboard to new technologies.

Formal Education

MS Computer Science @ Georgia Institute of Technology — 4.00

December 2021

BS Electrical and Computer Engineering (Mathematics Minor) @ University of Maine — 3.02

May 2012