

# Malcolm Macomber

## Software Engineer

//malcolm.work/  
hello@malcolm.work

## Experience

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### Software Development Engineer II @ Amazon

April 2021 – Current

- Maintaining/improving/supporting around a dozen Java-based backend services required for web applications used in fulfillment centers around the globe.
- Designing/implementing new services that optimize sortation within Amazon's fulfillment centers

### 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

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### Languages

Java, C/C++, bash scripting, Python, JavaScript, HTML, Groovy, CSS, XML

### Frameworks, APIs, Libraries

Java: Dagger, Guice, Struts, Spring, Spring MVC, log4j/slf4j

JavaScript: jQuery, node.js

C++: QT, Boost (especially ASIO)

Groovy: Grails, SOAP/Rest

### Technologies

Extensive AWS Cloud Computing Knowledge (Lambda, DynamoDB, EC2, S3, VPC, ElastiCache, IAM, etc.) git, sqlite3, mysql, tc Server, IBM WebSphere Application Server, Apache Tomcat, Eclipse IDE, Linux Development (various distros), QNX, Windows Development, Mac OS X Development,

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

## Formal Education

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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