Malcolm Macomber
Software Engineer

https://malcolm.work/

hello@malcolm.work

Phoenix, Arizona

Experience

Senior Software Engineer @ Hinge Health
2/2023 – Present

- Own internal backend services and frontends which enable our medical health professionals to provide care to our members via our online MSK/physical-therapy clinic
- One backend service is leveraging LLMs (large language models) to accelerate the work of our medical health professionals
- Part of a fast-growing organization making a positive, meaningful impact in the lives of our members

Software Development Engineer @ Amazon
4/2021 – 10/2022

- Designed and implemented new services which optimized sortation within Amazon's warehouses
- Owned a dozen Java-based, distributed, highly-available, backend services used around the globe, which ensured on-time delivery of millions of packages, and which kept Amazon's logistical network in compliance
- Developed using the latest AWS cloud computing technologies
- Mentored less-experienced coworkers to get them contributing quickly and to grow their careers
- Delivered results in a fast-paced environment with shifting priorities

Senior Software Engineer @ Garmin
6/2018 – 3/2021

- Implemented a hybrid (i.e., client-server) auto-OEM product: QNX client in vehicle communicating with custom-designed CentOS servers.
- Owned a component in Garmin's auto OEM navigation core: the component responsible for accessing the map data on the device and on the new servers (mentioned above).

Software Engineer II @ Garmin
4/2014 – 6/2018

- Owned several Java/Groovy web applications and web services
- Worked in C++ on several components in Garmin's auto-OEM navigation core: the destination predictor component, and the component responsible for calculating all spoken/visual advice to guide the driver
- Implemented phonebook and SMS syncing on an embedded system demo project for CES

Application Development Specialist @ IBM
9/2012 – 4/2014

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

Skills

Programming Languages — Typescript, Python, Java, C/C++, shell scripting, Ruby

Frameworks and Libraries — React, Nest.js, GraphQL, Dagger, Guice, Spring MVC, jQuery, QT, REST

Technologies, etc. — AWS (Lambda, DynamoDB, EC2, S3, VPC, ElastiCache, IAM, EKS, etc.) git, Postgres, sqlite3, mysql, Redis, Kubernetes, Docker, Linux Development (various distros), QNX, Windows Development, Mac OS X Development, Agile/Scrum

Formal Education

MS Computer Science @ Georgia Institute of Technology

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