

Robert Pollum

Senior Software Developer at General Motors Information Technology

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Experience	
General Motors Senior Software Developer	July 2024 - June 2025 Warren, MI
<ul style="list-style-type: none">Contributed to code base by fixing numerous bugs and catching several bugs before they went to production, completing 4-5 features to deliver to business and developed User Stories before and during Sprint Planning.Developed script for resetting local environment that reduced time by minimally 10x and an Insomnia repo for testing APIs.Built out application in React, Next, Quarkus, PostgreSQL, Kubernetes, Docker, Swagger, C4, Insomnia, bash and git.	
General Motors Software Development Team Lead	Aug 2021 - June 2024 Warren, Michigan, United States
<ul style="list-style-type: none">Migrated a monolithic application from Oracle Weblogic to Apache Tomcat to save GM money on existing Oracle contracts.Documented and established process in Java Docs, Swagger, C4 and OneNote while mentoring a team of 5-7 developersDesigned and Built greenfield applications using React, Next, Spring Boot, Quarkus, PostgreSQL, Pivotal Cloud Foundry, Kubernetes, Docker, git and Python.	
General Motors Full Stack Software Developer	Feb 2015 - Aug 2021 Warren, Michigan
<ul style="list-style-type: none">Built/designed greenfield emission reporting application using ExtJs, Microsoft SQL Server and Sprint Boot to support Opel/Vauxhall divisionsMigrated database platforms from Oracle to PostgreSQL to save GM money on contracts.Supported, upgraded, modified legacy applications with new business features using Apache Struts, Spring Framework, Angular, Vue, vanilla JavaScript, SVN and Git to support future vehicle architecture and marketing objectives.Lead SCRUM meetings and developed stories for agile based team translating requirements to User Stories.Mentored 3 newer developers to bring them up to speed on process, code base and general approach questions.	
General Motors Business Analyst	Sep 2014 - Feb 2015 Warren, Michigan
<ul style="list-style-type: none">Meticulously documented GM recall/warranty action processes for greenfield application which removed ambiguity of requirements for waterfall project definition	
Fraunhofer USA Intern	Nov 2011 - Aug 2014 Engineering Research Complex, 1449 Engineering Research Court,
<ul style="list-style-type: none">Updated/maintained programs on Plasma and Chemical Vapor Deposition machines as business need aroseDocumented/labeled machine wiring for easier communication tracingDocumented code with comments for future understandingPrototyped both software and devices for company.	

Skills	
React.js ● ● ● ● ● ○	JavaScript ● ● ● ● ● ○
HTML ● ● ● ● ● ○	Spring Boot ● ● ● ● ● ○
Shell/Bash Scripting ● ● ● ● ● ○	Quarkus ● ● ● ● ● ○
Next.js ● ● ● ● ● ○	CSS ● ● ● ● ● ○
Angular.js ● ● ● ● ● ○	Java ● ● ● ● ● ○
Linux ● ● ● ● ● ○	C4 Models ● ● ● ● ● ○
Vue ● ● ● ● ● ○	Ext.js ● ● ● ● ● ○
Python ● ● ● ● ● ○	Apache Kafka ● ● ● ● ● ○
LabVIEW ● ● ● ● ● ○	C++ ● ● ● ● ● ○
SharePoint ● ● ● ● ● ○	C# ● ● ● ● ● ○
Software Stack	
JetBrains IntelliJ	Insomnia by Kong
Eclipse IDE	Microsoft VS Code
Docker	draw.io
Balsamiq	git
Awards	
GM Transformers Award Business Partner June 2016	
Interests	
Smart Home Technology Google Home, Home Assistant, Automation	
Self Hosting Services Raspberry Pi, Proxmox, Linux, NAS, Jellyfin, LXC	
Playing Music Guitar, Drums, Bass, Singing	

Education

Michigan State University
Computer Engineering
3.34

2010 - 2014
Bachelor of Engineering (BE)

Volunteering

Grace Bible Church
Music/Audio Visual
<https://gracea2.org>

March 2022 - Present
Ann Arbor, MI

- Playing various instruments on stage.
- Running slides for music and lighting for sanctuary.
- Mastering audio for in house live stream

Gospel Life Church
Musician/Barista/Teacher
<https://www.gospellifechurch.com/>

February 2018 - August 2021
Madison Heights, MI

- Played various instruments on stage.
- Made drinks for church goers before and after service
- Taught curriculum with teaching partner and developed lessons based on material.

FIRST Robotics
Mentor
<https://frc-events.firstinspires.org/team/4815>

January 2016 - April 2019

Centerline Highschool, Centerline, MI

- Reviewed code of robotics members
- Taught the basics of C++ and code design/development
- Ensured safety while students worked with tools/electronics to build robot
- Guided design ideas to ensure they could succeed

Audio Enthusiasts and Engineers
Member/Volunteer/Presenter
<https://www.aeemsu.com/>

September 2010 - May 2014
East Lansing, MI

- Presented on guitar wood and tone affect
- Volunteered for setup/teardown of group hosted event
- Assembled/studied circuitry of music equipment
- Recruited for group during the fall semesters

Big Brothers Big Sisters
Mentor

2006 - 2009

Ubly Community Schools, Ubly, MI

- Mentored little brothers, taking time to talk about challenging elementary/middle school topics.

References

Jesse Stricklin
Software Engineer
Mobile: (248) 794-3969

Jared Lynch
Full Stack Software Developer
Mobile: (989) 280-1674

David Pement
Software Developer
Mobile: (586) 265-1472