Brian Kirkpatrick

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Objective   My competencies are automating tasks, reducing latency, reducing mistakes, and improving and enabling new workflows; I am looking to enhance my technical knowledge and broaden my domain skillset.

Summary   I am a programmer with experience in full stack web development, including multiple databases, languages, frameworks applicable both front-end and back-end. I am interested in the customization of embedded systems specific to a client's needs.

Education   **University of Michigan, Ann Arbor, College of Engineering**
Bachelor of Science in Engineering in Computer Eng, Cum Laude
2013

Experience   **Software Developer**
General Motor, Warren MI
June 2013 – April 2023

- Develop within our core web technologies (client, framework, and services).
- Produce high quality software that is unit tested, code reviewed, and checked in regularly for continuous integration.
- Be a tech lead and will actively mentor other engineers on the team.
- Fulfill feature requests for improvements to intraweb systems
- interface with customers to identify and resolve application inconsistencies and discrepancies per the customer.

Projects   General Motors Product Planning Portfolio (GM3PD) - coordinated engines, powertrains, architectures, significant dates, and formal approvals.

Knowledge Management Portal (KMP) - a internal & external search page encompassing data from disparate GM systems, external vendors, and generic search results.

Global Accessory Management Application (GAMA) - an angular and postgres app originally created by a contractor, transitioned internal to GM and continued development, tracked accessories, prices, volumes, and which vehicle model and trims were applicable.

SmartSearch - an internal parts-search system, intended to augment an existing system using apache solr / lucene

Competencies

Java	Apache Solr & Lucene	Postgres
Javascript	Apache POI	Oracle Database
HTML	Angular 1 and 2+	Microsoft SQL Server
CSS	Springboot	Microsoft Office
SQL	Springframework	Microsoft Sharepoint
Zig	ExtJS	

Activities

Soccer - member and captain, in different leagues.
https://dirtand.rocks