Vladimir Stefanovski

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An Engineer with 9 years experience in Hardware and Software Development; working on a variety of projects from Design of Electromechanical Systems to Web Development. I enjoy building new technologies with curious people by designing, testing, and launching robust products.

EDUCATION

Product School	*Product Management Certificate*	Exp Comp Sep 16 2022
Grand Circus Detroit	*C# .Net Backend Coding Bootcamp*	Jun 2019 – Dec 2019
University of Waterloo	*Masters of Applied Science - Mechatronics*	Sep 2008 – Sep 2010
University of Windsor	*Bachelors of Applied Science - Automotive*	Sep 2004 – Sep 2008

PROFESSIONAL EXPERIENCE

Feature Systems Engineer   Nov 2021 – Aug 2022
Ford Motor Company, Dearborn, MI

- Executed a Data Creation/Collection/Visualization audit strategy for 100+ new and existing vehicle Features
- Developed a standard framework for defining primary KPI visualizations for features prior to Data Collection

Design & Systems Engineer   Oct 2014 – Nov 2021
Ford Motor Company, Dearborn, MI

- Responsible for sign-off of Quality, Cost, Weight, Function and Timing of parts to meet vehicle requirements
- Ranked Top Achiever in 2021; Redesigned parts for cost resulting in $2.2Mln saved; 20% of dept roadmap
- Aided suppliers to recover from severe material shortages risking the shut down of Chicago Assembly Plant 3x
- Identified strategic trade-offs while leading 5-10 Engineers to resolve vehicle design or assembly issues
- Responsible for 100+ components across 5 programs from cradle to grave development stages
- Successfully achieved every milestone deliverable by effectively managing suppliers and resolving issues
- Design and Release Engineer for pumps, valves, hoses, radiators, fans, oil coolers and fasteners

Founder & Software Engineer   Dec 2020 – Mar 2021
Synopticon.org

- Single-handedly built a website from scratch dedicated to providing a place for people interested in gaining a deeper understanding of the Great Books of the Western World. For most these classics are difficult to read, some were written hundreds or even thousands of years ago, translated from Greek to Latin to German to English. My mission was to translate these books to today's English with the help of the community network.
- Wrote the backend code, ORM, SQL CRUD using Dapper, Identity for user authentication
- Wrote front end code using bootstrap and a mix of HTML, CSS, JS, Ajax code, Bootstrap

Prototype Development & Launch Engineer   May 2011 – Oct 2014
Kirchoff Group Corporate Center, Aurora, Ontario

- Launched 11 production Trumpf PFO laser cells across 4 plants in 16 months
- Reduced production cycle time by 9% incorporating traveling salesman algorithm to welding robot motion
- Programmed ABB 6 axis robots and PLC communication to Weld cells
- Commissioned large scale production lines for large metal stamping/welding prototype assemblies