Kevin Marx

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A technically fluent product manager and versatile software professional with over a decade of experience in agile development, team building, and product innovation. After a sabbatical, I am seeking to build upon my leadership skills and technical expertise to make a meaningful impact within a dynamic and passionate team.

Experience

Technical Product Manager   **Sep 2018 - Aug 2022**
Ford Greenfield Labs | Palo Alto, California

- Built the FordPass Product Team consisting of software engineers and UX designers. Led mobile application and infotainment projects from initial concept to in-car implementation, enhancing customer experience and creating new revenue opportunities.
- Managed a remote software development team to deploy a new company-wide project dashboard, developing the roadmap, securing funding, and coordinating stakeholders across multiple departments.
- Collaborated with IDEO and Microsoft to create advanced Digital Assistant vehicle-design concepts, conducting field research, developing physical prototypes for testing.
- Oversaw a portfolio and budget for next-generation workplace tools, including software pilots using AR/VR, Desktop-as-a-Service, and hybrid work tools. Scouted startups and initiated proof-of-concept development.
- Developed and managed a service enabling easy deployment of multi-platform cloud environments for more than 100 engineers at the Palo Alto research office.

Senior Software Engineer - Advanced Technology   **Jul 2015 - Sep 2018**
Ford Greenfield Labs | Palo Alto, California

- Led the technical development of localization algorithms for delivering cloud-based city data to vehicles; developed, tested, and integrated solutions with automotive hardware.
- Created AR/VR software, exploring applications in automotive design, autonomous vehicle simulation, and enhancing the dealership sales experience.
- Orchestrated cloud environments supporting early field research for 50 autonomous vehicles.
- **Patents**: *Routing of Hitchhiking Drones • Characterizing Route Stress • Crowd-Sourced Emergency Response • Emergency Evacuation using Autonomous Driving • Method & Device Providing Navigation Path* (WO2019078815A1, WO2018009224A1, WO2018017075A1, US20180120837A1, DE102015203154A1)

Information Systems Auditor   **Jul 2014 - Jul 2015**
Ford Motor Company | Dearborn, Michigan

- Conducted comprehensive audits, including on-site infrastructure and software implementation reviews; interviewed developers and management to identify risks related to financial fraud and data security.
- Trained in corporate fraud and cybersecurity investigation; a Certified Information Systems Auditor (CISA).

Software Engineer   **May 2011 - Jul 2014**
Ford Motor Company | Dearborn, Michigan

- Developed software for AppLink third-party software libraries, supporting Android phone-to-car integration.
- Co-managed vendor technical strategy roadmap for Ford and Lincoln websites in more than 20 countries.
- Provided advanced technical support for vehicle manufacturing quality systems at assembly plants globally.

Selected Projects

- **Public DNS Server**   **2023 - Present**
  - Architected and operated a public DNS service on FreeBSD. Supports DoH and provides enhanced security via threat intel, NRD filtering. Observed server IoCs regularly shared back to the community.
- **LLM Home Lab**   **2023 - Present**
  - Built a local AI home lab, benchmarking various large language models, quantizations, and deployments. Explored data set creation, post-training, and custom scripting for server instance management. Contributed model patches to huggingface.co.

Skills

Product Management:	Agile • Scrum • Stakeholder Management • Developer Experience SAFe • Design Thinking • Product Innovation
Software Platforms:	Cloud • Web • Mobile • VR • Unix • Artificial Intelligence DevOps • Enterprise Software

Education

Wayne State University | Detroit, MI   **Sep 2012 - Apr 2015**
Completed graduate coursework in Computer Science, Parallel and Distributed Systems

Eastern Michigan University | Ypsilanti, MI   **Graduated Dec 2011**
Bachelor of Science in Computer Science