Paul Sorenson

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Results driven engineering manager with extensive experience in software development, team leadership and project management. I prioritize stakeholder impact, sustainable development and technical excellence in all products I support.

EXPERIENCE

Strivr, Palo Alto, CA   *September 2020 - Present*
Engineering Manager (2023 - Present)
- Lead a team of 7 software engineers across React, Unity, Android, and Swift technology stacks.
- Develop and maintain Strivr's content authoring tools and playback engines, delivering advanced capabilities for virtual and mixed-reality experiences.
- Facilitate Android headset, WebXR, and mobile compatibility on the Strivr platform.

Staff Software Engineer (2022)
- Designed and led the implementation of playback engine built in Unity/C# for Strivr's no-code authoring tool.
- Introduced TDD and dependency injection in Unity, and established a comprehensive test suite.

Senior Software Engineer (2020-2021)
- Designed and implemented the headset client-side content management system as a native Android library. Used Android's WorkManager to orchestrate background downloads.

Zenuity, Farmington Hills, MI   *October 2017 - September 2020*
Senior Software Engineer
- Led development of supervised ADAS in-vehicle experiences with Unity3D / C#.
- Built sensor data visualization tools with Unity3D / ShaderLab, and Qt/QML.
- Implemented ASIL D rated driver monitoring software (C++).

Robert Bosch LLC, Plymouth, MI   *February 2014 – September 2017*
Software Engineer (2016-2017)
- Built production software using CGI Studio (C++) for the Corvette C8 digital instrument cluster.

Professional Development Trainee Program: Technical Trainee (2014-2016)
- Completed a two-year technical leadership program, including four six-month rotations in software and electronics engineering.

Tesla Motors, Palo Alto, CA   *May 2012 – August 2013*
Systems Test and Integration Engineering Internship (Summer 2013)
- Wrote an internal web tool for fleet analysis using Python/Django and SQL.

Field Support Engineering Internship (Summer 2012)
- Implemented features on Tesla's field support diagnostic tool for the Model S.

Space Exploration Technologies, Hawthorne, CA   *January 2012 – May 2012*
Avionics Internship: Power Electronics Development

University of Michigan Solar Car Team, Ann Arbor, MI   *September 2010 – December 2011*
Power Division Head (2010-2011)

EDUCATION

University of Michigan College of Engineering, Ann Arbor MI   *December 2013*
B.S. Electrical Engineering