

Joshyka Jothi Singaaravadivelu

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Gothenburg, Sweden

EXPERIENCE

Scrum Master & Software Engineer | Volvo Cars



Sept 2022 - Present

Gothenburg, Sweden

- Responsible for system architecture design, Hardware in the loop (HIL) testing, verification of the vehicle data logging solution
- Responsible for enabling CI/CD pipeline using Zuul
- Collaborated for designing client-side application to retrieve time data
- Conducting scrum ceremonies, preparing for PI planning, knowledge transfer sessions, and building future roadmap with Product owner

Scrum Master & Software Engineer | Volvo Cars (via New Minds)



July 2021 – Aug 2022

Gothenburg, Sweden

- Responsible for system architecture design, configuration & trouble shooting of the data logging solution
- Collaborated and designed the architecture for short range reference system
- Collaborated for embedded software development for real-time sensor sanity check tool
- Acting scrum master prepared for PI planning and formulated the team product roadmap

Master thesis worker | Volvo Cars



Jan 2021 - June 2021

Gothenburg, Sweden

Topic: Energy Efficiency of Convolutional Neural Network Inference on FPGAs Vs. Accelerated GPUs

Implementation, verification, and comparison of CNN building blocks and its energy efficiency on FPGAs and accelerated GPUs

FedML engineer | Scaleout



June 2020 - Aug 2020

Uppsala, Sweden

- Designed and trained conventional machine learning model using IoT dataset
- Used Scaleout's FEDn framework, implemented the federated learning model and maintained its evaluation metrics

Electronics Engineer- ISRO (via Sri Manjunatha Enterprises)

Dec 2017 - Nov 2018

Andaman & Nicobar Islands, India

- Worked with high-end communication systems for enabling telemetry, tracking and command operations

ACHIEVEMENTS

Winner of the Sweden India Mobility Hackathon- Feb 2021 For the category 'Infrastructure for connected devices' by Ericsson for developing a unique privacy framework.

Best Project Award (Bachelor's Degree) Rewarded by *Dr. B. R. Ambedkar Institute of technology*, India for the project 'Ethernet controlled Public Addressing System'

EDUCATION

MSc. in Embedded Electronic System Design

Chalmers University of Technology

BTech. Electronics & Communication Engineering
Pondicherry University

SKILLS

• Programming languages

C, C++, Python, Java

• Scripting tools

MATLAB, Simulink

• Tools

Jira, Confluence

• Containerization

Docker

• Utility Softwares

Visio, Latex, MS Office

• Version Control

Git/Gerrit

• Operating system

Linux

LANGUAGES

English

Swedish

ORGANIZATIONS

Women in Tech

Project Hacker

Engineers Without

Borders Chalmers Union

Project Member-The

ReflectiveEngineer Group

CHARM - Event Host