SRINIVAS VISHNU VARDHAN, PASUPULA

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SUMMARY

- **6 years** of experience as a C/C++ software developer.
- Developing SiL software in ZF Middleware project, following **ASPICE framework**.
- **Masters degree** in Embedded Systems from Eindhoven University of Technology, The Netherlands.
- Followed **agile method** of development throughout my career.
- Experienced in collaborating with multi-national team mates to develop software projects.
- I have experience working on all stages in **V-model Software Development Life Cycle**.
- Passionate to learn new technologies, I am currently learning **front-end technologies** such as React, HTML, CSS and JavaScript and also dabbling with AI/Machine Learning.

TECHNICAL SKILLS

- **Advanced**: C, C++, Python.
- **Intermediate**: *Docker*, CI/CD (Azure and Jenkins), *Shell scripting*, *React/React Native*, *HTML*, *JavaScript*, *CSS*, Java, JavaEE, SQL (IBM DB2, MySQL).
- **Basic**: MATLAB, TensorFlow, CUDA C and scikit-learn for Machine Learning, Hibernate, ROS.

WORK EXPERIENCE

ZF Technology Center   September 2018 to present
Tech Lead   *Hyderabad, India*

- Designing and developing SiL software applications by following **ASPICE** framework.
- Using **C/C++**, I have implemented Simulation counter parts for the hardware components (ex. camera).
- Using **Socket Communication protocols (TCP and UDP)**, implemented **C/C++** applications that send and receive large amounts of data (image, audio, sensor signals).
- Implemented Unit Tests using Google Tests.
- Implemented tools and code generators using **Python** to improve the developer productivity.
- Implemented **CI/CD** pipelines in both **Jenkins** and **Azure** environments.
- Encouraged and trained colleagues and team mates to use **Conan** (https://conan.io), a C/C++ package management tool.
- Developed an **eclipse plugin** for Conan.

ASML   November 2016 to August 2018
Embedded Software Design Engineer   *Veldhoven, The Netherlands*

- Developed embedded software libraries using **C/C++**.
- Using **Python** and **Google Test** framework, implemented **unit tests** and improved test software coverage for legacy code.

Net.Orange   June 2012 – June 2014
Software Engineer   *Hyderabad, India*

- Did Full-Stack development. Developed back-end (services and database) using **JavaEE, MySQL** and developed front-end using **Adobe ColdFusion**.

EDUCATION

Masters   Technical University of Eindhoven, The Netherlands
Embedded Systems   *2014-2016*

B.Tech   Jawaharlal Nehru Technological University Hyderabad, India
Electronics and Communication Engineering   *2008-2012*

ACHIEVEMENTS/AWARDS

- Stood among the top 20 teams in IBM's web application development competition in 2010.
- Got Rockstar award at ZF for my work on C/C++ package management and Eclipse Plugin development in 2020.

OTHER SKILLS

Software/Tools Enterprise Architect, Code Beamer, Jira/Bitbucket, Inkscape, Latex, Microsoft Word, Excel, and PowerPoint.
Languages English: *Professional Proficiency*. Kannada, Telugu: *Native*. French(currently learning): *Very Basic*.