Srinivasa Rao Sakhamuri | CV

*Last Updated: 2016-02-16*

# SUMMARY

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|  | I am holding double Master Degrees in Electrical Engineering emphasized on Signal processing & Radio Communication, SWEDEN and Master Degree in Electronics and Instrumentation, INDIA.  My education with multi-disciplinary and work experience makes me very strong to take any new challenging assignments in telecommunication and automotive domain.  **Summary:**   |  | | --- | | Strong experience in SW/HW level objective oriented programming  In C++ development in telecommunication sector, progressing from problem statement to well-documented design and successful deployment.  Good knowledge on driver and low level programming.  Strong background on Electronics and Industrial Sensors.  Knowledge of Hardware – Software interface and interaction and prepare UML diagrams.  Extensive knowledge of Perl scripting & Embedded Linux Programming.  Working knowledge of Clear Case, GIT, GitHub, GERRIT and Jenkins.  Strong experience in test system analysis, gathering requirement, design and execution.  Strong ability to debug complex real-time systems failures, issuer reporting and handling customer trouble reports.  Working knowledge on DSP & ARM processes and microprocessor’s.  Designed and coded SW application components in an agile environment utilizing a Test Driven Development (TDD).  Worked as a SCRUM master.  Aware of WATERFALL model, SCRUM, KANBAN methodologies and follow the agile way of working.  Knowledge about RS232, USB, UART and SPI communication protocols.  More passion about programming rather than gaining experience and genuine interest about learning new coding languages. |   I am passionate about new technology and would like take the part in the development of the next generation of embedded systems.  My goal is to work as an embedded Software Developer and become the key member in the project which includes my long term aspiration to become a technical mentor in my field. |

# COMPETENCE OVERVIEW

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| Specialist area | 5 years of Strong experience in Embedded SW/HW level objective oriented programming in C++ with strong debugging skills of any complex systems, progressing from problem statement to well-documented design and successful deployment. |
| Operating systems | Windows, LINUX. |
| Programming languages and techniques | C , Assembly language, OOP’s in C++, Java, Ruby, PLC, Perl Scripting |
| Tools | Matlab, Simulink, Eclipse, LabView basic programming, PLC |

# ASSIGNMENT EXPERIENCE

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| June 2011 – Present **Oct 2010- May 2011**  **April 2007- March 2008** | **Software Developer, Ericsson AB, Stockholm, SWEDEN.**   |  | | --- | | Embedded SW Development for Next Generation Radio’s using OOP C++ in a cross functional team.  Algorithm and Driver interface implementation using level programming.  Sprint planning and backlog preparation and sync with rest of the team.  SW and HW Verification and continuous integration.  Documentation of SW component functionality and utilization.  Writing Unittest using google mocks, Trouble shooting and debugging of Radio TX/DL filter chain and SW module.  Test case design using Perl, ruby language & Embedded Linux Programming, issuer reporting and handling customer trouble reports.  Working knowledge of Clear Case, GIT, GERRIT and Jenkins.  Strong experience in test system analysis, design and execution utilizing Test Driven Development (TDD) for next Generation Radio’s.  Test SW components according to the defined specifications (Unit and integration Testing).   Working under SCRUM, KANBAN methodologies and follow the agile way of working. |   **KTH School of Technology and Health (STH KTH),** **SWEDEN**  Programmable System on Chip (PSOC) SW, FW and HW  Implementation.   Analog, Digital electronics lab engineer.  Instrument design, Signal acquisitions processing and application  developer (Lab view, Assembly language, Matlab/Simulink and C)  Assisting students in project works.  **Technologies Pvt Ltd. INDIA**  Embedded programming in C.  Software/Firmware development for 8/16/32-bit Micro Controllers.  Involvement in all development cycles of an embedded product  FW and HW updates according to the requirement of clients. |

# EDUCATION, TRAINING & QUALIFICATIONS

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| **2008 – 2010**  **2005 – 2007**  **2001 – 2004**  **Training Courses** | |  |  | | --- | --- | | **Master of Science in Electrical Engineering emphasized on Signal**  **Processing and Telecommunication (STH KTH & BTH).** | | | Statistical Signal Processing, Random Processes, Digital Signal Processing (DSP), Antenna Theory, Radio and Telecommunication, Multidimensional Signal Processing, Neural Networks, Complex Analysis, Wireless Networks, Applied Signal processing, Matlab / Simulink. |  | | **Master of Science in Electronics & Instrumentation, Andhra University, INDIA**  Biomedical Instrumentation, Process Instrumentation, Control Systems, Circuit and Signals, Electronics and Measurements, Embedded Systems, Control Systems, Digital Electronics, Analog Electronics, Processes Instrumentation, Industrial instrumentation, Numerical Programming in C, Microprocessors 8085, Real time Operating Systems (RTOs), Tele Communication.    **Bachelor of Electronics and Computer Science, Nagarjuna University, INDIA.**  Graph Theory, Microprocessors, CMOS Image Sensors, C, OOP’s in C++, Data Structures, Visual C++, MFC, SQL, Computer Architecture, Analog and Digital Electronics, Mathematics, Electromagnetic theory, Linear Algebra, Circuits and Signals. |  |  * LTE L11 Air Interface Course from Ericsson Academy, SWEDEN * LTE L12 Protocols and Procedure Course from Ericsson Academy, SWEDEN. * OOP’s C++ Advanced Course. * Embedded C Course from ENIA. SWEDEN * SCRUM and AGILE certified course. SWEDEN * Trained on Programmable Logic Controllers (PLCs), IGIAT, INDIA |

# PERSONAL INFORMATION

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| Personal qualities | Enthusiastic, Extremely organized person with Self-respect & Responsibilities, Eager to learn new Technology/Languages, communicative, result oriented, adaptable. Enjoys work with responsibility and challenges, Friendly and helping nature. |
| Interests and hobbies | Cricket, Skiing and running. |
| Driver's license | B (Indian Driving’s License) |
| Nationality | Indian |
| Language  Other | English (spoken and written)  Married |
| Year of birth | 1984 |