Lentin Joseph

qboticslabs@gmail.com - +91 8907590702
Cheerakathil House, Kurumassery P.O, Ernakulam/Kerala/India, Pin 683579

PERSONAL STATEMENT

As a highly passionate robotics enthusiast for 7 years, I have learned various areas in robotics and worked in few robotics companies. Currently serving people by providing better and viable robotics solutions.

Being on a mission to create more job opportunities in robotics, I have written books and doing the online course for creating future robotics engineers.

WORK EXPERIENCE

CEO/Founder – January 2014 – Now
Qbotics Labs - www.qboticslabs.com
Location – Kochi/Kerala/India

Qbotics Labs is a software service provider in robotics, machine vision, embedded system and Artificial Intelligence. We are also into Educational robotics, which aims to create future robotics engineers. The training is mainly through online video courses and books.

Responsibilities:

- Managing team who are working around the Globe
- Creating robotic education materials and courses
- Establishing partnerships and bringing business
- Creating top-level planning of the robotics projects
- Implementing critical section of projects and integrating reset of the parts.

Author of ROS Robotics Projects – June 2016 – March 2017
Company Name - https://www.packtpub.com
Location: UK

The book ROS Robotics Projects was focused on teaching how to create a robotic application using Robot Operating System, Open-CV, and P.C.L.

Responsibilities:

- Selecting relevant topics to do the projects for the book
- Implementing new projects and testing existing projects
- Documenting each project and publish the source code

Author of Mastering ROS for Robotics Programming – June 2015 – January 2016
Company Name - https://www.packtpub.com
Location: UK

The book Mastering ROS for Robotics Programming was focused on teaching advanced robotics application development using Robot Operating System, Open-CV, and P.C.L.

Responsibilities:

- Selecting advanced topics in robotics and implementing it using ROS
- Researching and documenting advanced robotics projects implemented using ROS
- Documenting each chapter and publishing the source code

Technical Reviewer of Effective Robotics Programming with ROS – September 2016 – December 2016
Company Name - https://www.packtpub.com
Location: UK

The book Effective Robotics Programming with ROS was focused on teaching ROS from scratch. The book discussing from the basics of ROS to advance topics such as Robot manipulation and Navigation.

Responsibilities:

- Proof reading each chapter
- Suggesting add-ons to each chapter

Technical Reviewer of [Raspberry Pi Image Processing Programming](#) – January 2017 – March 2017
Company Name - http://www.apress.com
Location: New York

The book focused on teaching image processing algorithms using Raspberry Pi 3 board.

Responsibilities:

- Proof reading each chapter
- Suggesting add-ons to each chapter

Technical Reviewer of [Raspberry Pi Supercomputing and Scientific Programming](#) – April 2017 – May 2017
Company Name - http://www.apress.com
Location: New York

The book focused on teaching message passing interface in super computer using Raspberry Pi 3 board.

Responsibilities:

- Proof reading each chapter
- Suggesting add-ons to each chapter

Author of [Learning Robotics using Python](#) – January 2014 – May 2015
Company Name - https://www.packtpub.com
Location: UK

The book Learning Robotics using Python was focused on teaching how to create an autonomous mobile robot using Robot Operating System, Open-CV, and P.C.L.

Responsibilities:

- Creating an autonomous mobile robot from scratch for this book
- Documenting each step of the construction of the robot in detail.
- Documenting each step and publish the source code

Senior Robotics Engineer– April 2012 – January 2014
ASIMOV Robotics - http://www.asimovrobotics.com/
Location – Kochi/Kerala/India

ASIMOV Robotics Pvt Ltd is a single window Solution and Services provider who can meet all your robotics/automation needs. They provide engineering products solutions and consultancy in the areas like robotic simulation and control, machine-vision, training, virtual reality, and navigation applications.

Responsibilities:

- Worked with navigation and perception of Service robot called ISRA (Intelligent Service Robot Assistant) which is running on ROS
- Simulation using V-REP and Gazebo, worked with 7-DOF manipulators and interfacing it with ROS.
- Creating embedded firmware for robot
- Working with Robot Navigation algorithm

Robotics Engineer– June 2011 - April 2012
Energid - http://www.energid.com/
Location – Kochi/Kerala/India

Energid Technologies is an engineering firm providing robotics, machine vision, and remote-control software with the core product referred to as Actin. Its headquarters are in Cambridge, Massachusetts

Responsibilities:

- Worked with simulation tool called Actin
- Developed plug-in of Actin using C++
- Developed Python wrappers for Actin
- Worked with kinematics and dynamics of 7-DOF arm called Cyton.

CORE SKILLS

- Strong knowledge in C/C++ and Python
- Advance programmer in R.O.S using C++ and Python
- Experienced in Open Source computer vision, Open-NI and PCL
- Experienced in using robotics simulators like Gazebo and V-REP
- Knowledge in Matlab and Labview
- Experienced in embedded programming using Keil-C, avr-gcc and gcc-arm
- Excellent skills in team management

EDUCATION

M-Tech in Robotics and Automation - June 2016 - June 2018(Expected).
Amrita University Kerala/India

- This course has given me a strong foundation in domains such as Mobile robots, Robot manipulators, Machine Learning, Machine Vision and Embedded System
- The course mainly software focussed so along with studying robot algorithms, we are implementing each algorithm using programming languages such as C/C++ or Python

C.G.P.A - 9.36, June 2016 – December 2016

B-Tech in Electronics and Communication - June 2007 - June 2011
Federal Institute of Science and Technology – M.G University Kerala/India

- This course has given a strong foundation in maths, embedded system and programming in C/C++ and Python.

C.G.P.A – 8.1, June 2007 – June 2011

ACCOMPLISHMENTS

- Winner of Humanitarian Robotics and Automation Technology Challenge (HRATC)-2016 conducted by IEEE International Conference on Robotics and Automation (ICRA'16). The challenge used robot of Clearpath Robotics called Husky.

- Finalist of Humanitarian Robotics and Automation Technology Challenge (HRATC)-2015 conducted by IEEE International Conference on Robotics and Automation (ICRA'15). The challenge used robot of Clearpath Robotics called Husky

- Best Project Award – 2011 for B-Tech main project. Social Robot

CERTIFICATIONS

- Completed MOOC "Introduction to Robotics" by QUT
- Completed MOOC "Robotic Vision" by QUT
- Completed MOOC "Autonomous Mobile Robot" from ETH Zurich
- Completed MOOC "Autonomous Navigation for Flying Robots" from TUM
- Completed MOOC "Control of Mobile Robots" from Georgia Tech

PERSONAL INTERESTS

As a passionate person in robotics technology, I used to read most of the robotics related books and online blogs. Also interested in networking people who are working in same domain. I also interested to write books and article related to robotics also excited to watch robot's movies. Other than my passion, I like to travel to places where I have not visited earlier.

REFERENCES

References are available on request.