Shrikant Badiger

#008 Jaya Madhava Commune Apartment
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INFORMATION

URL:	http://www.linkedin.com/pub/shrikant-badiger/30/413/8ab
Email:	shrikant200@gmail.com
Mobile:	8867453556
Total IT Experience:	7.5 Years
Date of Birth:	04-08-1988
Nationality:	Indian
Company:	Siemens Technology and Services Pvt Ltd, Bangalore
Job Type:	Permanent

PROFILE

Senior developer / lead engineer with proven record in designing and developing successful projects using object oriented and functional technologies. Able to work on own initiatives and leading teams within Agile/Scrum structures. Good analytical, design and problem-solving skills. Published author, with technical article available on established technical websites.

QUALIFICATION

M.Tech(Computer Engineering)	Sri Jayachamarajendra College of Engineering, Mysore.Year: 2012
BE (Information Science)	Appa Institute of Engineering and Technology, Gulbarga Year: 2010

RECOGNITIONS AND PUBLICATIONS

- Star of the IoT Feature Team award: Nokia Networks
- Honoured as Best Contributor to OA&M Bring-up / MTN Issues: Alcatel Lucent
- Survey of SDN Application in M2M Communication ICC-VIT-2015 International Paper Conference-Bangalore
- Student Member of IEEE, ACM
- Presented a Technical paper on "Machine Learning and Advanced approaches for M2M Communication".
- Presented a Technical paper on "Vision Based Inventory Management in IIoT Application" – Siemens Innovation Forum 2019
- "Robot to Human Collaboration in Industrial Manufacture process" – Innovation Idea Summit (Siemens Innovation Forum -2020)

- Currently working as Software Developer in Siemens Technology, Bangalore.
- Experience in Docker Container, Kubernetes, Rancher, Industrial Automation Software, SCADA System, IIoT Application Development.
- Experience in developing C, C++ applications. Actively worked as developers in the development of the Industrial Automation, Telecom Software and Banking Software.
- Experience in root cause analysis, Bug Fixing, Design and Development of application.
- Experience in Valgrid, Callgrid, Performance related issue debugging.
- Good understanding of IoT Application in HSS, HLR Network Node and HSS S6T interface Functionality.
- Experience in TIA(Total Integrated Automation) and SCADA System. Development of IoT application for Industrial Process based on the SCADA system
- Experience in SS7/Sigtran and Diameter Protocols
- Motivated software engineer with experience in IT solutions, OO design and development, Socket Programming, Multithread Application.
- Reporting daily/weekly status, issues and risks to project management team.
- As Scrum Master role performed Task allocation, tracking, code reviews, refactoring and technical support to team.
- Actively involved in AI/ML Industrial Application Development and Research Forums as contributor.
- Working on Vision Based Industrial Human Safety system using OpenCV.

SKILL SET

Development tools/IDE:	Eclipse, Putty, SourceInsight
Languages:	C,C++,Shell Scripting, Perl, Tcl, Socket Programming, Multi-Thread Programming,
Internet Technologies	HTML, DHTML, XML, CSS, JavaScript.
Source control (SCM):	Clear Case, SVN, GIT Repo
Protocols:	MAP,TCAP,SCCP,S6T-Diameter,TCP/IP, SNMP, OPCUA
Operation System:	Linux, Windows
Software Tools:	Visio, GDB, Object Marker

EMPLOYMENT DETAILS

Employer	Employment Date	Title	Role
Siemens Technology	Aug-2018 - Present	Software Developer	Senior Developer
Deustche Bank	Mar-2018 - Aug-2018	Associate SSE	Software Lead
Nokia Networks	May-2014 – Mar-2018	R&D Engineer	Software Development
Alcatel Lucent	June-2012 – May-2014	SSE	Software Development

Some of the common responsibilities in all the projects include:

- Requirement understanding and design modelling.
- Coding, Code review and refactoring.
- Module integration, Defect fixes, Unit test and functionality testing

Title:	SIMATIC Adapter (Web Based Engineering Solution)
Description:	Collect the Data from S7/S7Plus/OPCUA Connection supported PLC via web-based engineering system. Publish the collected data from application to MQTT Broker for Analytics. All backend services are containerized and executing in rancher framework.
Role & Responsibility	1. Complete Design and Development of application 2. Docker containerization and Prepare installation package. 3. Unit Testing in C++ framework. 4. Supported for End to End Test completion.

Title:	Enhancement of Multi Device Handling in HLR
Description:	Handling the Multi Device group in HLR. As part of this feature enhanced the handling of device specific subscriptions and group subscriber during the LUP and ATM call flows. Provided the extra subscription control to Operator.
Role & Responsibility	5. Participated as Feature development 6. Unit Testing in C++ framework. 7. Supported for End to End Test completion.
Title:	SCS Network Node for IoT Application
Description:	The SCS is required to be implemented as per 3GPP TS 23.682 Rel 13. The SCS (SCS – Service Capability server) is a 3GPP Defined IoT related logical entity. S6T interface implementation for handling the Device Monitoring and Configuration information via SCS. Enable the registering technique in MME for more information about the Device.
Role & Responsibility	As a Software Developer & Scrum Master, primary responsibility includes • Participate in planning, estimation, daily scrum and retrospective meetings. • Reviewing and delivering each scrum tasks. • Implementing the complete S6T interface in SCX and HSS • Unit testing and End-End Test support for S6T Interface Messages.

Title:	SCCP/TCAP Specific Customer Issue/JIRA handling
Description:	Handling the Customer JIRA/ Handling Live migration from different software version and handling the new MTN feature request in HLR Network code for Mobile Termination Call Specific and NSR Data Related Issues. Analysing the Live Memory Corruption issues and Migrations.
Role & Responsibility	• Perform code changes for Customer Major Issues and Review internal code changes for JIRA

	• Write Unit Test cases for each Customer Reported Issues • Involved in complete MTN process

Title:	**IPsec and OpenSwan – RHEL Migration Support**
Description:	Supported for IPsec Customer Issues. Configuration and Monitoring Features development. Migration of ATCA RNC OA&M Applications and libraries from Solarise to RHEL Linux version.
Role & Responsibility	• Actively involved in IPsec and OpenSwan security issues fixes • Involved in RHEL Migration Process • Involved in bringing up the platform nodes and Application Processes • Automation of Live Migration • New Test Cases and UT design
Company	Alcatel Lucent

OWN INTEREST PROJECTS

1. Rasberry Pi 3-Home Automation Development.
2. Twitter Data Analysis and Prediction via Weka Tool
3. Apartment Management software in C# with Access DB.

INTERNSHIP

Title:Automation Framework for CDMA RevB and RevA Call Processing

Year: June-2011 – Jun-2012 (One Year completed as Intern in ALU)

REFERENCES

1. Mohanraj KB – Line Manager (Nokia Networks)
   Email: moharaj.kb@nokia.com
2. Prashanth Hunasekatte – Project Manger (Nokia Networks)
   Email: prashanth.hunasekatte@nokia.com
3. Dr. Anilkumar K M Assistant Professor in S J C E Mysore.
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