SENTHIL NATHAN

SENIOR SOFTWARE ENGINEER

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senthilnathanrajakumar.github.io

Linkedin/senthilrajakumar

EDUCATION

BACHELOR OF ENGINEERING (71.3%)
Electrical and Electronics
Anna University, Chennai, India
2005 – 2008

DIPLOMA DEGREE
(84.8%)
Electrical and Electronics
Department of Technical Education,
Tamilnadu, India
2002 – 2005

CONSULTANT EXPERTISE

Server & VM Migration /Tech Refresh
(Database Upgrade)

DevOps/SCRUM-Agile/Waterfall

Technical Leadership

Project Scheduling

Resource and Work Breakdown Structure
Charts

CASE Tools

UI UX Prototyping

Risk Assessment

Resource Management

CERTIFIED COURSE

Microsoft Certified: Azure "AZ900"

AWS Cloud Practitioner Essentials

.NET Programming

C, C++, UNIX, J2EE Programming

"Business Systems Analyst (BSA-TEL)"

PROFESSIONAL PROFILE

13 + years of Programming and Consultancy experience in Microsoft Technologies on the DOTNET platform in all stages of the SDLC (Software Development Life Cycle), including studying user requirements, analysis, design, implementation, testing, deployment, documentation and maintenance of various stand-alone, intranet, cloud computing, client-server and web-based projects, with exposure to diverse business domains including Healthcare Robotics Automation, Data Storage and Technology, Retailing, and Financial.

EXPERIENCE SUMMARY

SENIOR CONSULTANT APPLICATION
NCS Pte Ltd (Singtel Group) Singapore / April 2016 – Present
Payroll by (IT CAN Pte Ltd until Oct 2019)
ASP.NET MVC, WPF-MVVM, DevOps, Agile, Node.js & Angular.js, SQL 2019, F5 Windows Cluster - Technical Lead

- Spearhead delivery of a high-quality healthcare software application with a primary focus on implementation of Outpatient Pharmacy Automation System [OPAS]. Design, develop and build using Microsoft Design Patterns with waterfall-agile development model.
- OPAS, a signature project developed by NCS (Application & ADM's) & IHIS (Servers), has many national and regional awards and is prevalent (70% use) in the Singapore Healthcare system.
- Integrate with multiple Automated Drug dispensing middleware Machines namely ROWA, Blister, Parata Max, Robot-Armatures, RFID Shelves etc., enabling pharmacies to handle high prescription loads safely and efficiently
- Create resource plans, organization charts, project quotations, development timelines, server architecture (F5 load balancer, firewall, LTM, GTM), system hardware requirements, servers specs, and propose ADM's for rolling out OPAS systems to new hospitals in Singapore
- Prepare and present reports for Steering Committees, PMO, vendors, including new Change Request (CR), SLA statistics, system performance stats, and overall annual development plan

SENIOR SYSTEM ANALYST
Western Digital (WD), Petaling Jaya, Malaysia / Jun 2013 – Feb 2016
Payroll by (iCrest Sdn Bhd)
ASP.NET MVC Bootstrap 3.0, Waterfall, Rest API, WCF, WF, SQL 2012 - Senior Application Developer

- Designed and developed architecture for various enterprise automated Agility-workflow applications and Restful Web API services to support WD global Manufacturing System
- Collaborated with functional groups, such as Products, Process, Quality, and Supplier Engineering, which were used by the assembly line to build the Western Digital drives, to help minimize manpower in the industry and increase productivity to 30%.
- Migrated existing HDD PCS (Product Configuration System) into highly scalable cutting-edge firmware systems used to set up all business rules and meet production demands of the assembly line to build the drives
- Integrated data storage solutions, including databases, AAG configurations, key-value stores, Database optimization and fine-tuning
- Developed interactive Web applications using Spotfire for engineering analytics
- Extensively incorporated Defect Tracking, Regression Testing, and System Load Tests and presented test results to demonstrate the quality of the program to end users

SENIOR SOFTWARE ENGINEER
Multimedia InfoTech Pvt Ltd, India / Apr 2012 – May 2013
ASP.NET C#, WCF, LINQ, SQL 2008 R2 - Software Developer

- Developed dedicated web application job portal to assist students and recent graduates of MIT (Multimedia InfoTech) secure suitable and relevant employment by providing the resources prospective employers and potential employees need to share information effectively, including job matching and referral, employer and student database, comprehensive job listings, and email alerts of new vacancies
- Prepared Use Case diagrams, database designs, development Plans, deployment schedules
- Involved widely in GUI, Functional, Regression testing
- Prepared reports using SSRS on system usage and peak load performances

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CORE SKILLS

HL7, QDX, ATT Queue system

SFTP, FTP, Tectia File storage

TCP Client Socket Middleware Integration

API Development

Microservices

OOP Design patterns

Internet Protocol Suite (TCP/IP)

RDBMS

SOA/Monolithic

GUI, UI/ UX (XAML, WPF, HTML/5)

Defect Tracking (JIRA)

Front-End Framework: Node.js, Angular, React, Vue, Knockout

Software Refactoring

Data Distribution Service

DevOps Azure CI/CD Integration

REFERENCES

ABDUL KATHER
Senior IT Architect
NCS Pte Ltd (Singtel Group), SINGAPORE
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VENKATESH PRABHU
Project Director
Hanodale Technologies Sdn Bhd
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EXPERIENCE SUMMARY continued

SOFTWARE ENGINEER
Hanodale Technologies Sdn Bhd, Malaysia / Mar 2009 – Mar 2012
ASP.NET C#, VB, jQuery, WCF, LINQ, SQL 2005 - Software Developer

- Developed rich thick client and web-based database applications for global customers with a proven track record of delivering cost-effective solutions through innovative technologies in various domains
- Demonstrated expertise in Application Development, Web Development, Business Intelligence, Engineering, Retailing, Logistics and Healthcare-based IT services
- Prepared UAT documents, Functional Specification documents, Database Change Lists, User guides and FAQs
- Prepared deployment packages and automation scripts for monitoring system performance and daily system health checks

SIGNATURE PROJECTS

National Healthcare Group (NHG) – Singapore
- OPAS
- Fastrak

MIT Corporate Job Portal

Hanodale Technologies Sdn Bhd
- Clinical Posting System – Masterskill University, Malaysia
- E@Works - Urusan Teknologi Wawasan Sdn. Bhd, Malaysia
- VistaPos (Vista Point of Sale)

Western Digital - Global Manufacturing System
- Product Configuration System 3.5
- CoRe 3.5, EDMS
- T1111 Agility Workflow

TECHNICAL SKILLS

I aspire to a career as a Software Developer in the IT Domain with precise knowledge in Content Management, Customer Relations Management, Document Management and Web Application Management. Up-to-date with changes in technology, as well as the business implications and applications of new technologies.

Microsoft Technologies	:	.NET Framework 4.8 and above, .NET Core, MVC, MVVM, WCF, WPF, WF, ADO.Net, LINQ, Entity Framework, TFS
Project Management	:	DevOps (GIT, Azure, Jenkins, Docker, Dynatrace, fortify, SonarQube), Agile, Waterfall
Programming Languages	:	C#, Visual Basic, ASP.NET, C++, PowerShell script
Scripting Languages	:	Angular, Knockout JS, React, Vue.js, Bootstrap, jQuery, Node.js, HTML5, TypeScript
Design Pattern/ Design Tools	:	SOLID, CQRS- MediatR / Microsoft Visio
Database	:	SQL Server 2019 and Above, Oracle 11G, MS Access
Cloud computing	:	AWS, Microsoft Azure
Testing Tool	:	Selenium, Nunit, Moq, MS Test, JIRA
Internet Technologies	:	JSON, Web API, ODATA, WCF SOAP, Web Service, XML, TCP/IP Socket Model
Development IDE	:	Visual Studio 2019, Visual Studio Code, Cisco DevNet
Reporting/ ETL	:	Spotfire, Dundas BI, Telerik, SSRS, SSIS
Interfacing Middleware	:	Blister, DDS (Drug Dispensing system), DPAS, Tote Handler, ROWA, PARATA, RFID Shelves, Conveyor, Robot armatures, PTL (Pick-to-light), ATT Queuing System.
Load Balancer	:	F5 Networks GTM & LTM
Server Configuration	:	Windows Server 2013, Windows Cluster
Printing Tool	:	Seagull Bartender, Dev Express, Client Printing Signal R