

Contact Information

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Objective

Technical leadership role where my extensive knowledge can make people, projects and products successful.

Summary

I am determined. I am loyal. I am charismatic. I am honest. I have integrity. I started programming at 7 and built my first computer at 15. I love technology. I go to bed with questions and wake up with answers. I find inventive solutions for unique problems. I found the right career for me which will benefit my employer.

Experience

Programming Languages

Java, C#, Python, Scala, JavaScript, VB.Net, C, C++, Scheme, Lisp, Pascal, **Learning:** Clojure and Haskell

Programming Methodologies

Object Oriented, Functional, Procedural

Concurrency Control Models

Resource Locking, Actor/Agent, Software Transaction Memory (STM)

Databases

RedShift, DynamoDB, Databricks, DB2, Oracle, MySQL, SQL Server, Derby

Work

FactorLab

- Created AWS infrastructure (Lambda, Batch and Docker) to process through millions of data rows per day.
- Created the Bronze, Silver and Gold repositories as well as the code to transition the data between them.
- Used Lambda initially and re-architected to use Batch when the row counts overwhelmed Lambda.
- Implemented Data Scientist's algorithms using Python/Pandas to calculate gestures from raw data.
- Facilitated DataBrick's configuration so the Gold data could be loaded and visualized using Tableau.
- Helped to manage an India based development team of around 10 people.

SYSCOM, Inc.

- Acknowledged as the company's Java/JEE, Python, Scala, WebSphere and Tomcat expert.
- Designed/created a Java services product - 10,000+ licenses sold - continues to earn annual maintenance.
- Designed/created a C# desktop viewer - 10,000+ licenses sold - continues to earn annual maintenance.
- Regularly used in projects with very inexperienced developers – expected to train and manage them.
- Technical leader in numerous projects involving best of breed open-source technology with IBM products including WebSphere, Filenet P8, Content Manager, Case Manager, DB2, MQ Series and Process Server.
- Technical leader in 2 long term projects lasting over 2 years each. The projects integrated document capture with business process re-engineering into a web front end with an integrated mainframe emulator.
- Consulted fulltime for over 1 year with a major health care provider as a Java/JEE/CM architect.
- Designed/created algorithms to augment images adding extra visual data to help emphasize contents. The algorithms are pending patent protection.
- Built a complex MSI installer using Wix to satisfy corporate policies for fortune 500 companies.
- One of only 3 employees offered a job at SYSCOM when PublicBuy.net was sold.

PublicBuy & Simplexis

- Tasked with creating a product that could integrate into school run financial systems both large and small.
- Designed SimpleLink™ which offered queuing & guaranteed delivery over the Internet. SimpleLink™ is to email what TCP is to IP. It required only an email address and a server behind the firewall.
- Directly managed 8-10 people to create the first SimpleLink™ version in under 4 months.
- All messages were hashed and encrypted using MD5 and 3DES respectively.
- Board of Directors said to all employees that SimpleLink™ provided 2 of 3 main company differentiators.
- SimpleLink™ played a major role in earning all of Simplexis' revenues.
- Designed and developed an online billing module using HTML, Servlets, PDFs and Verisign's CC API

Education

University of Waterloo

Bachelor of Mathematics - Honours Computer Science / Information Systems Option