Phil Russell

I'm a software engineer whose greatest passion is to create products that solve the problems people value. I make my most valuable contributions as part of a software product development team, either in a leadership or senior software engineering role. I thrive in a high-energy environment where creativity, curiosity and high intelligence are the norm.

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Experience

AT&T
Principal Software Engineer - Chief Data Office
2013 to Present

- Founding member of AT&T Big Data Center of Excellence, which later became AT&T Chief Data Office.
- I serve a team of data scientists creating fraud detection and mitigation solutions.
- In previous roles worked extensively with location analytics.
- Delivered numerous data pipeline and machine learning operationalization solutions.
- Deeply involved with transitioning all of AT&T's non-network IT infrastructure to Microsoft Azure.

Private Investor
2007 to 2013

- Semi-retired as a result of liquidity event from sale of Corprasoft, Inc.
- Re-entered workforce because I love creating software and just couldn't stay away.

Corprasoft Inc.
Co-Founder and Chief Technology Officer
1991 to 2007

- Leading provider of enterprise case management and outside counsel fee management software, with global customer base
- Founded with one other individual and grew to become market-leading solution.
- Personally developed two major releases of Corprasoft's initial *Chief Legal Officer* product, and led development of subsequent *Corprasoft Legal Desktop* web-based product.
- Sold company to competitor in 2007.

Prior to 1991

- Various corporate finance and software development positions

Education

Master of Business Administration
Vanderbilt University - Owen Graduate School of Management

- Concentration in Finance

Bachelor of Engineering
Vanderbilt University - School of Engineering

- Double major in Computer Science and Electrical Engineering

Recent and Notable Professional Training Classes

- Designing and Implementing a Microsoft Azure AI Solution
- Designing a Microsoft Azure Data Solution
- Implementing a Microsoft Azure Data Solution
- Leading SAFe (Scaled Agile Framework)
- Pragmatic Marketing Practical Product Management
- Cooper Professional Education Interaction Design Practicum

Skills

Languages, Platforms & Tools

Time Frame ▶ ▼ Proficiency	Current	Recent	Past
Expert	Azure PowerShell Scripting JavaScript/HTML/CSS	R Shiny	Microsoft Access
High	Bash Shell Scripting Hadoop Linux MacOS Python Vue.js	Hive R Language	C#.NET
Medium	Apache Spark Cassandra Firebase Java MongoDB Terraform	Apache Pig	Delphi (Pascal) Microsoft SQL Server Objective-C and Cocoa API Oracle Visual Basic.NET
Novice	Scala	Amazon Web Services	

Expertise

Time Frame ▶ ▼ Proficiency	Current	Recent	Past
Highly Proficient	Data pipeline engineering in support of AI and machine learning Microsoft Azure Networking	Geolocation, geofencing, and journey tracking	Corporate law department operations and finance
Proficient	Closed-loop feedback for machine learning models	Product management Interaction design	
Competent			
Basic	AI / machine learning model design	Bayesian networks	

Publications

- **Why you need to be a Product Manager (in addition to all your other responsibilities)**
  Everyone in a company has customers, even those whose jobs aren't directly customer-facing, and can better meet their stakeholders' needs by applying product management techniques that have been proven effective in software and other technology companies.

- **Introduction to Bayesian Networks Part 1: Theory and Algorithms**
  I wrote this paper when I was grokking Bayesian Networks. The best way to learn something is to try to teach someone else.

- **Azure Recipes**
  Series of AT&T internal articles that provide step-by-step instructions for creating Microsoft Azure network connections using Private Link and Bastion resources.

Code

Most of my recent code is the intellectual property of my current employer and can't be shared. But here are a few little open source projects that exemplify the quality and style of the code I write.

- **fo-sticky-note** A Vue.js component that provides a full-featured sticky note control, bundled into a single ES6 file using rollup.js.
- **fo-markdown-note** A Vue.js component that provides a Markdown editor for inclusion in a Vue.js project. It is a thin wrapper around the SimpleMDE JavaScript control.
- **fo-gridstack-organizer** A Vue.js component that is a wrapper around the gridstack.js jQuery plugin.

Certifications

Microsoft Certified: Azure AI Engineer

Microsoft Certified: Azure Fundamentals

This document is authored in Markdown and HTML using Visual Studio Code and BlueGriffon. It is built for simultaneous web page and PDF delivery using a Microsoft PowerShell script that incorporates Python, Stylus, Pandoc, wkhtmltopdf, and Adolix Split and Merge PDF.