

Race Vanderdecken

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Cloud Architect Program Trained Professional | Professional Software Engineer

A dynamic leader, mentor, collaborative team leader, and inventor with 20+ years of product leadership in an entrepreneurial environment; completed the AWS Cloud Architect training program and gained understanding in creating optimal IT solutions on AWS, ensuring AWS cloud best practices and recommended design patterns. Developed technical skills in customizing effective Cloud solutions. Ability to build a scalable, reliable, and highly available cloud infrastructure by leveraging AWS services. Entry-level understanding in designing, setting up, configuring, and optimizing a cloud computing environment to provide a production-ready cloud environment. Drive consulting initiatives while collaborating with cross-functional teams and stakeholders to provide effective technical solutions. Expertise in building scalable, reliable, and highly available cloud infrastructure by analyzing an organization's structure, operational business processes, financial management, and cost model implications. Skilled in driving the process, schedule, and success of AWS applications which enables customers to use the cloud computing services through point-and-click interfaces.

Key Skills:

Amazon Web Services | AWS Cloud Best Practices | Cloud-Based Development | Cloud-Based Visualization | Cloud Maintenance | Cloud Platforms | Cloud Systems Administration | Data Privacy and Security | Configuration Management | Cloud Network Security | Continuous Deployment and Integration | Elastic Sizing of Environments | Multi-Tenant Implications | Process Migration | Virtualization | Cloud Computing Architecture Solutions | EC2 | S3 | VPC EBS | Lambda | RDS | DynamoDB | TCO calculator | IT System Problems and Troubleshooting | Configuring Routers, Switches and Hubs | Cloud Software Engineering | Cloud Sales | Cloud Development | Cloud Systems Administration | Cloud Consulting | Cloud Systems Engineering | Cloud Network Engineering | Cloud Product Engineering | Detail Focused | Analytical | Self Motivated | Change Management | Data Analytics | Microsoft Office Suite (Word, Excel, PowerPoint, Project, Visio) | Object-Oriented Design (OOD) & Programming (OOP) | C/C++ | Technical Team Lead | Team Builder | Agile | Project Management | Operations Management | Business Statistics | Sales & Marketing

Professional Development 2020 to Present

Python 2022

AWS Certified Solutions Architect - Associate, 2022

CompTIA Security+, 2022

Cisco Networking Academy – Introduction to Cybersecurity, 2022

Google Project Management Professional Certificate, 2021

Google Data Analyst Professional Certificate Coursera, 2021

IBM Applied Data Science with R, 2021

IBM Operating Kubernetes on IBM Cloud, 2021

IBM Python for Data Science and AI, 2021

Master Agile Software Development (44 hours) LinkedIn Certificate, 2021

Google IT Automation with Python Professional Certificate, 2021

Google IT Support Professional Certificate, 2020

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Professional Experience

The Untrained Brain Co., Hendersonville, NC | 2018 – 2020

- Architect and Swift programmer for system and app to allow tipping without a card reader.

The Untrained Brain Co., Hendersonville, NC | 2009 – 2015

Entrepreneur Consultant

Accomplished projects, including Ride Voyager (2014 – 2015) and Antiques Dealer & Screenwriter (2009-2014).

- Produced a business and market analysis report about using motor coaches to replace regional airline aircraft in short-haul markets.

OEM Services Consultant, Microsoft, Redmond, WA | 2008 – 2009

SSDE Team Leader

- Improved the performance of the Windows customer startup experience on OEM computers by analyzing systems and recommending changes.
- Enhanced initial customer Windows interactions and raised overall customer satisfaction by driving Executive level

Professional Experience (cont.)

engagement globally with the OEM PC manufacturers.

- Developed strong relationships with HP, DELL, ACER, ASUS, Lenovo, Samsung, Sony, and Toshiba. Hosted OEM partners while in the country or on campus.

The Untrained Brain Co., Hendersonville, NC | 2002 – 2008

Entrepreneur Consultant

Managed product development life cycle, including requirement gathering, analysis, development, and product delivery.

- Key Projects:
 - International Surveillance Technology (2006 – 2008)
 - Built a man-portable Video/Audio Surveillance System for a US law enforcement agency (DEA, Secret Service) working as the Architect and Project Manager
 - NetSolus (2003 – 2006) products.
 - Enhanced Asterisk PBX call & voicemail features improved networked storage systems.
 - Created new G.711 to G.729 Codec in C for audio streaming server solution to record call center agent and customer interactions using Asterix saving server hardware costs.
 - WebVoIP (2002 – 2005)
 - Developed SNMP polling software using Object Oriented PERL (with classes) for RRDTools for the real-time charting of call traffic, call detail records, costs, and sales (WebVoIP). Based on Open-Source software
 - Contributor to open-source RADIUS software. Resolved security defects.
 - Director of Software Development, Pluto Home (2002 – 2003)
 - Led a team of 12 developers. Acting as a project manager and oversaw entire end-to-end technical aspects of customer relationships.
 - Guided investors on production schedules, product development, design, quality control, and hardware acquisitions for this home automation software development company.

Past Experience

Pace Micro, Boca Raton, FL | Software Architect, and Software Engineer C/C++ | 2001 – 2002

Chordiant Software, Mountain View, CA | Sales Engineer and Solutions Consultant | 1999 – 2000

Intellivoice Communications, Atlanta, GA | Software Architect, Senior Technical Lead, C/C++ | 1997 – 1999

Multiple Organizations | Software Architect and Team Lead, C/C++ Software Engineer, Technical Lead, Staff Engineer |

Education

Bachelor of Information Sciences: Applied Management Information Systems with Operations Management,

University of North Carolina (UNC) at Pembroke, Pembroke, NC, Aug 2016 – Dec 2018. 3.8 GPA Magna Cum Laude

Associates Degree in Brewing, Distillation, and Fermentation, Blue Ridge Community College, Flat Rock, NC,

Aug 2015 – Dec 2016. 3.97 GPA.

Computer Science – The University of Dayton and the University of California at Irvine.

Associates of Science - Engineering Studies, Sinclair Community College, Dayton, OH. 3.71 GPA

US Patents

5,325,527: Client/server communication system utilizing a self-generated nodal network, June 28, 1994.

5,454,102: Method and apparatus for transferring structured data using self-generated node network, Sep 26, 1995.

5,630,060: Method and apparatus for delivering multi-media messages over different transmission media, May 13, 1997.