**PROFESSIONAL SUMMARY**

Results-oriented software engineer with a strong analytical mindset and expertise in software life cycle management. Proficient in full stack software development with a focus on graphics software. Skilled in test-driven development and experienced in creating innovative solutions to complex technical challenges.

**TECHNICAL SKILLS**

* Programming Languages: JavaScript, Python, GDScript, Lua, PowerShell, Bash, Perl, Pascal, Assembler , Ocaml, ColdFusion, PHP, C, C++, Java, VBA, C#
* Database Languages: SQL, PostgreSQL, MySQL, SQL Server, Oracle, CSV, JSON, Mongodb
* Markup Languages: HTML, CSS, UML, XML, XHTML, YAML, Markdown
* Libraries: Vue.js, Angular, Jquery, NodeJs, Let's Encrypt
* Protocols: REST, MVC, TCP/IP, UDP, DHCP, Bind DNS, NAT, FTP, SFTP, SSH

**HIGH LEVEL SOFTWARE**

* Development Environments: Visual Studio, Godot 3 & 4, Roblox, GIMP, Blender, OpenShot
* Web Service Platforms: Docker, Nginix, FastAPI, MS IIS, Express JS, Elastic Search, Tomcat, Apache
* Source Control: Git, Subversion, MS TFS
* Package Management: npm, Maven, NuGet, pip, apt-get, yum, pear
* Report Servers: Jasper Reports, MS SQL Server Reporting Services
* Operating Systems: Linux Ubuntu & Redhat, Microsoft Windows & Server, OS X, Android
* Database Environments: SQL Server Management Studio, MySql Workbench

**PROFESSIONAL EXPERIENCE**

AJ Surf Co, Boca Raton, FL **Aug 2020 – Present**

**Founder & Creative Director**

* Embarked on an entrepreneurial startup company journey with diverse products in software engineering, multimedia and marketing.
* Developed a visually immersive video game in Godot, implementing all aspects of multi platform game interactive elements, from menus to game mechanics.
* Embarked on collaboration to develop a Roblox 3D video game with a partner, handling software character interaction.
* Developed, or formatted and imported, multimedia material for the video games.
* Designed and developed a micro services Website using Vue.js, WordPress, FastAPI, Docker & Nginx, providing optimal user experience across device platforms.

Mergermarket, Fort Lauderdale, FL **Oct 2010 – July 2020**

**Sr. Web Application Engineer**

* Consistently collaborated with cross-functional teams, leveraging technical expertise. Enhanced team productivity and successful outcomes where the company valuation increased from $80m to $1.7b.
* Innovated prototype applications, providing comprehensive prototypes and documentation of BWICs & Pipelines, for executive board approval.
* Developed web-based applications with timer-based, data acquisition software to collect Seeking Alpha RSS Earnings Calls data feeds, contributing to the expansion of product offerings.
* Engineered a Java data collection daemon, reducing Financial Analysts time demands, providing enhanced team production capability.
* Developed VBA Microsoft Office macros for Financial Analysts, also, alleviating the workload providing enhanced team production capability.
* Spearheaded the development of software solutions for PDF & Email scraping, QA, and seamless data acquisition to SQL Databases, enhancing team efficiency and data integrity.
* Successfully executed the migration of code repositories across Subversion, TFT, and GIT source control environments, ensuring a smooth transition and consistency in version management.
* Collaborated in assembling robust DevOps build pipelines with the Dev Team, utilizing C# .Net, SQL Server, GIT, Octopus, and Team City software products.

STATE OF VT ANR IT DEPARTMENT, Waterbury, VT **Jul 2006 – Jul 2010**

**System Developer II / .Net Programmer**

* All work was done working closely with working closely Geography Expert Professionals to reduce disasters brought about by man made encroaching obstacles to waterways.
* Rewrote, and enhanced, the Web Vermont Stream Geomorphic Assessment Data Management System Application (VT SGA-DMS) from ColdFusion to VB.Net.
* Rewrote, and enhanced all the website reports from the ColdFusion Report Builder reports to Microsoft SQL Server Reporting Services (MS SSRS) reports .
* Enhanced performance of the related databases using improved queries and indexes.
* Rewrote statistical equation algorithms causing a reduction in labor from 20 or more hours per week to 6 hours per month for data analyst team members.
* Developed Quality Assurance System using a bitwise integer protocol, with comment based override, thus enhancing QA, and reducing Staff resource requirements from absurd to managable.
* Developed a download feature which allows clients extreme flexibility of columns, rows and file formats when downloading processed statistical information.
* Enhanced the information available about the effects on species, erosion and sedimentation about Bridges and Culverts, working with the Dept. of Fish & Wildlife, the Dept. of Transportation, and the Rivers Scientists.
* Developed Web based dbf flat file format upload, QA check, to database storage system, which dropped scientist's labor costs and enhanced data quality.
* Provided system design UML software life cycle documentation and consulting on in- house IT projects.
* Responsible for implementation and support of the Subversion repository for the IT Department.

BEAR CODE, Montpelier, VT **Jul 2005 – May 2006**

**Administrator / Java Programmer**

* Conducted System Analysis and wrote Use Cases, Data Models and Functional Specifications for 3 Enterprise level Java applications.
* Wrote Java Internet XML, SOA, database data collection application.
* Wrote Hibernate XML mapping, and Java container classes for the flagship product.
* Enhanced enterprise level Java JfreeChart trend analysis graphs.
* Performed code repository migration from CVS to Subversion.
* Setup Subversion/Apache access security for contractors and in house developers.
* Performed email migration from Sendmail to Qmail.
* Maintained a Linux VPS Email, PHP & Java server.
* Setup software demos of company built server software applications on Laptops for sales representatives along with support manuals.
* Performed Network Support, of LAN with Windows, Apple and Linux workstations, along with a RedHat server containing Subversion, TrackStudio, Tomcat, & MySQL.
* Handled client help desk support, and user manuals, for company software.
* Performed administration and backups of all company data.

ONDO CORPORATION, DAYS INN, Shelburne, VT **Feb 2000 – May 2005**

**Computer Consultant/Night Audit**

* Wrote user manuals, and established protocols, for reservations and audit software.
* Migrated the hotel software applications from MSDOS, to Windows 3.11, to Windows 98, while training the staff to use the new Operating Systems,
* Provided consulting service, analysis and design, for the high performance guest WiFi network, providing the ability for the owner and maintenance crew do an “in house” installation.

**EDUCATION**

UNIVERSITY OF VERMONT, Burlington, VT **2005**

**Bachelor of Arts, Major: Computer Science Minor: Business**