Vladimir Andrenkov
Software Engineer

E: andrenkov@gmail.com
P: 905-802-1051
Burlington ON

Experience

Freelance developer *September 2022 - current*
C#, MVC, Docker Containers, MySQL

Designing and implementing online catalog service
Project highlights:

- Asp.Net MVC, .Net Core 6.0, EF and DI
- Linux Ubuntu 20.04 and Docker Containers. Docker Compose 3.4
- MySQL, AWS S3

Sandcat Software Inc. | Toronto *July 2020 – September 2022*
Senior Software Engineer *C#, Delphi, C++, T-SQL*

Responsibilities:

- Writing and maintaining for the legacy Primafact Litigation Document Management system. Working with minimal supervision.
- Managed the full SDLC from functional requirements specification (RFS) to product verification.
  - Implemented an Agile (Scrum) methodology for product development using JIRA and HelpDesk.
  - Wrote performance-intensive back-end services for a real-time feed.
  - Administered and designed database schemas for MSSQL (2008-2016).
  - Created an advanced UI with dynamic toolbars, menus, filters etc. Personalized user layouts.
  - Designed new reporting system with FastReport and active layouts.
  - Research and testing the system's deployment to MS Azure with multitenant database and elastic pool.

Major Projects:

- Primafact Litigation Document Management system: complete solution for law firms, including documents scanning and importing module, OCR, cases and documents organization to reflect standard "case narratives", quick search, reviewing and notes tools, different documents rendering engines, merging and exporting (Delphi, C#).
- Maintaining and improving the Licensing Service (Azure, C#)
- Migrating from the 3rd party Pdfium library to the open-source rendering engine from Google Source (C++)
- Designed and implemented Citrix ShareFile API real-time integration (C# .NET 6.0)

Mobile Knowledge Systems Incorporated | Burlington *September 2000 – April 2020*
Senior Software Engineer *C#, Delphi, T-SQL*

Responsibilities:

- Lead a remote team of developers across a variety of legacy and greenfield projects (Canada - UK - Ukraine).
- Migrated several client-server applications from Delphi to .NET (C#).
- Designed SOAP and REST web services and clients; migrated IIS projects to Windows Service applications.
- Integrated phone system APIs such as MS TAPI, Nortel CCT, Altigen, Avaya One-X, and NewT PBX.
- Wrote back-end servers in a variety of languages, including C#, VB.Net, T-SQL, and all versions of Delphi.

Major Projects:

- Expert Dispatch System (XDS): Complete solution for transport hire companies, including a Call Center application, Automatic Dispatching module and Driver communications. XDS is composed of over 30 projects designed throughout 1996-2020 and houses over 800k lines of code.
- Internet Booking System (IBS): SOAP and RESTful web services for client bookings, working flawlessly even during peak load times; includes components for distance calculation and price estimation.
- Mapping: Zone editor, tracking station, and address service for geocoding, reverse geocoding, distancing, and routing with support for the MapInfo, MapPoint, Google Maps, LocationIQ, HERE and OS Maps APIs.

- Reports: Designed over 80 different reports in Crystal Reports, Rave, ReportBuilder and SSRS.
- Developed the Callout, Email and SMS notifications systems.
- Migrating to AWS S3 for uploading and retrieving customer data such as cardholder signatures.
- Expert Cashiering System (XCS): Payroll system for customer invoicing and driver payroll.

Kuznetskugol Coal Company | Russia   *1987 – 1999*
Junior Programmer   Delphi, Pascal

Responsibilities:
- Implemented various algorithms for engineering calculations and data structures for inventory systems.
- Developed solutions using Pascal, Delphi 2-4, InterBase, DB2, QuickReport, and MS-Excel.

Languages and Technologies

- *Languages:* C#, C++, Python, VB.NET, Delphi 5-XE10, T-SQL, JavaScript.
- *Databases:* MS SQL, MySQL, InterBase, Paradox, DB2, MS Access, TFS, SSIS, SSRS, ADO, ODBC, BDE, LINQ.
- *Web Technologies:* .NET, MVC, SOAP and RESTful Web Services, AWS, S3, IIS, WCF, JSON, JSONP, XML, HTML
- *Networking:* TCP/IP Sockets, Web Sockets, SSL, HTTP, HTTPS, FTP.
- *Payment Systems:* Credit Cards and PLC, PA-DSS, PCI DSS.
- *APIs:* Mapping API, Telephony API, COM, DCOM, ActiveX.
- *Source Control:* CVS, SVN, Bit bucket, GitHub, GitLab, PVSC, StarTeam.
- *Platforms:* Win 2K-11; Windows Server NT, 2000-2022, Hyper-V and Docker Containers (Linux/Windows).
- *Development Environments:* Visual Studio 2003-2022, Borland Delphi 5-XE10, Kylix, SSMS.

Education

- **Doctorate (Unfinished)** - *Skochinski Mining Research Institute*   1992
  - o Modelling of surrounding rock pressures in mining applications.
- **Master of Engineering (M.Eng.) -** *Siberian State Industrial University*   1982-1987
  - o Specialization in software modeling of coal mining systems.

Certifications   2022

- **C++ Programming Certificate** – online training course   2022
- **Python Programming Certificate** – online training course   2008
- **Visual C# .NET Programmer Certification -** *Penn Foster Career School*   2007
- **Product Management Skills Training -** *Learning Tree International*   1999
- **Delphi Programmer Certification –** *TekMetrics*