COREY ALIX

SENIOR SOFTWARE ENGINEER

coreyalix@outlook.com   (864) 631-5740   https://ca0v.us/about

CAREER OBJECTIVE

To work with reactive frameworks and modern web technologies to build applications that are easy to use and maintain.

EDUCATION

Carnegie Mellon University
B.S. Mathematics and Computer Science
B.S. Computer Engineering

WORK EXPERIENCE

Freelance   **2022 - Present**
Software Engineer

Built a simple data entry form with the interesting property that an insert or update to one row affected the data on an adjacent row. The UX solution to this was to highlight the changed cells using CSS animation.

Infor Global Solutions - Public Sector   **2011 - 2022**
Software Engineer

- Created the geospatial elements of *Infor Public Sector* using ESRI and open source components.

- Created the map components that integrate *Infor Public Sector* products with geospatial services using *"ESRI JSAPI"* and *"OpenLayers"* libraries

- Created the accompanying backend web services

- Contributed to the creation of a bi-directional ETL between our EAM and GIS systems

Infor Global Solutions - .NET Developer   **2007 - 2011**
Senior Software Engineer

C#.NET Developer
Infor acquired Hansen and there was an opening for a .NET developer with GIS experience. Replaced a 5K line proprietary map engine with both *ArcGIS Javascript API* and *OpenLayers* (configurable).
Maintained integrations with Bentley, MapInfo, ESRI, AutoDesk, and GeoMedia. Replaced Bentley, MapInfo, AutoDesk, GeoMedia adaptors with a OGC WMS/WFS compatible adaptors, allowing us to support for GeoServer and MapServer.

Datastream - Web Developer   **1999 - 2007**
Software Engineer

Java Developer
Briefly and intermittently worked on *Shotgun*, now *HxGN EAM*. Preferring Visual Studio over Eclipse, I maintained three VB.NET utilities we offered our customers.
The "Upload Utility", an "MS Project" utility, and an "ESRI ArcGIS Desktop" integration.
Was my introduction to GIS, returned to *Shotgun* to maintain the ArcGIS Javascript API map.

Bumwraps (VT)   **1993-1999**
General Manager

- Built accounting platform (General Ledger, Check Register, Accounts Payable, Accounts Receivable, Order Entry, Inventory, Payroll)

- Built CtPos (point-of-sale) app for two retail sites

- Built embroidery CAD apps for digitizing and namedrops

- Leveraged these apps to manage $5M business

- Taught computer science at *United Christian Academy* (Newport, VT), coached soccer

SKILL BUILDERS

Curriculum Vitae   **January 2023**

This *"CV"* is responsive, has specific styling for printer, light, dark modes.

Print Server   **January 2023**

Family has been struggling with printing from phone so I build a solution that allows them to upload PDF's that then get downloaded to our printer.

Collage Editor   **December 2022**

Built *"just.be.collage"* to document Cool Bus 2022 road trip

Gym Gains   **May 2022**

Built *"Meathead"* to track my gym gains.

Headache Game   **March 2022**

Built *"Headache"* with my younger son, who loves playing Cuphead and wanted to make a copy for himself. We cloned the game controller behavior and the spirit of the game.

Invoice Builder   **December 2021**

Built *"Little Light Show"* to give my oldest son a professional appearance as he started his new Christmas light installation business.

OTHER INTERESTS

mountain biking and skiing, hiking and road biking, soccer, climbing, yoga, ultimate frisbee, making games, writing code

SKILL SUMMARY

• **Programming Languages:** C#, Python, Javascript, Typescript, HTML, CSS, SQL, Go, Java, Delphi, VB.NET, Assembly, C, C++, Pascal, Lisp, Prolog, Scheme, Rust, F#, Paradox Bash, Powershell

• **Frameworks & APIs:** dotnet 7, Node, Svelte, Vue, Angular, React, ArcGIS JSAPI, OpenLayers, Leaflet, Mapbox, D3.js, Three.js

• **Platforms:** Netlify, FaunaDB, Digital Ocean, ArcGIS Enterprise, MapServer, GeoServer, Tauri, Roslyn, CodeDom, EF Core

• **Tools:** Copilot, Polypane, Postman, VSCode, Visual Studio, PicoCSS, dotnet, git, gh, github, npm, pip, iis, nginx