C O R E Y   A L I X

SENIOR SOFTWARE ENGINEER

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CAREER OBJECTIVE

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

WORK EXPERIENCE

Infor Global Solutions   **1999 - July 2022**
Senior 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

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

OTHER INTERESTS

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

EDUCATION

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

RECENT PROJECTS

Curriculum Vitae   **January 2023**
This *"CV"* is responsive, has specific styling for printer, light, dark modes.

Print Server   **January 2023**
Resolved issue of family devices not able to print

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.

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