

SUMMARY OF QUALIFICATIONS

- Software Engineer with a proven track record of designing, developing, and implementing complex web applications and platforms.
- Expertise in both front-end and back-end development.
- Extensive experience in building e-commerce/marketplace platforms, CRM systems, SEO marketing tools, and email marketing platforms.
- Proven ability to identify opportunities for automation and implement systems and processes to streamline operations.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, PHP, C++, Python, Java, SQL, HTML/CSS
- **Frameworks & Libraries:** jQuery, Bootstrap, Flask, Django, OpenGL, SDL2
- **Tools & Software:** SQL, Git, GNU/Linux, VSCode, Adobe Software, Apache (LAMP)

EXPERIENCE

Quick Elements

Software Engineer

Remote
January 2022 - PRESENT

- Developed a range of plugins, from simple gift card setups to complex event management systems, catering to specific client needs.
- Integrated WordPress backend with Laravel framework, allowing clients to edit their websites through their Quick Elements dashboard.
- Built and implemented SEO marketing tools (SEO dashboard for keyword research, rank tracking, and competitor analysis). I also improved technical SEO templates for all client websites, made performance improvements (increasing pagespeed scores), and more.
- Developed CRM tools that improved lead tracking, client management, and communication for both clients and internal teams.
- Created an email marketing platform for crafting targeted campaigns, cart abandonment reminders, newsletters, and promotional offers to drive conversions.
- Identified opportunities for optimization and created scripts to automate operations.
- Created and maintained internal/partner REST APIs using MVC design practices.

Connected Consumer Fuel

Software Engineer

Danbury, CT
January 2019 - December 2021

- Designed and built a web platform for fuel delivery companies. Key features include delivery management, billing, smart degree day prediction, route planning, and more.
- Designed and built a user-friendly online marketplace called Fuel Snap that connects heating oil/propane customers with dealers. Fuel Snap is also available in the "Smart Oil" Android & iOS apps.
- Designed landing pages, app screens, online dashboards, and more for the Smart Oil Gauge.
- Built numerous custom websites for heating oil and propane delivery companies.
- Designed user-friendly interfaces for landing pages, mobile apps, and dashboards.
- Implemented various automation solutions to improve efficiency and productivity across operations.

ArchezX

Freelance Web Dev

Remote
January 2014 - PRESENT

- Designed numerous websites using basic HTML/CSS, WordPress, Squarespace, Webflow, Shopify, Replo, etc.
- Implemented backends using Node.js to PHP, Python (Flask/Django), etc.
- Implemented frontends using React, jQuery, Vue, vanilla HTML/CSS, etc.

Forax Hosting

Software Engineer

Remote
May 2017 - Oct 2018

- Built landing pages, set up servers, configured them with LAMP, set up virtual hosts, and cpanel.
- Developed the company's website, which includes site management tools for end-users, as well as load-balancing scripts, and other internal systems.

- Built payment integrations, support systems, resource management dashboards, and backup scripts.

Stuart Tech Support

Technical Support/Repair

Shelton, CT
May 2017 - Oct 2018

- Diagnosed computers, performed data recovery, and virus removal.
- Assessed for faulty parts and incorrect software configuration.
- Built computers, repaired screens, replaced batteries.

PROJECTS

Lottery Odds

PHP, Laravel, MySQL

- Created using Laravel to track the odds for scratch off games.
- Main features: view the odds of a game, simple tax calculator, and lottery simulator.
- Performs simple math based on the number of tickets printed & the prizes remaining for each prize tier to determine an expected return for each game.
- Sorts scratch off games by the best to worst odds.
- Each lottery game has its own page with data about the game, scrapped from that state's lottery website using a headless Chrome instance.

AXPS

Python3, Flask, MySQL

- AX Productivity Suite helps you track your time, manage your goals, and plan your future.
- Main features: Note taking, nested to-do lists, time tracking.
- Utilized Python/Flask for the back-end and HTML, CSS, JavaScript, & jQuery for the front end.

YouTube++

JavaScript, HTML

- Created a browser extension for YouTubers that displays the tags of the video being watched, and poll's YouTube's API for each search term.
- Helps YouTubers rank their videos higher using SEO.
- Has an option to switch the YouTube shorts player to the default player.
- Open source and available on GitHub.

2D Games

C++, OpenGL, SDL2

- Multiple C++ games created to learn about OpenGL/SDL.
- Used A* pathfinding to route zombies to the nearest human agent.
- Used polymorphism to make managing the different entity types easy.
- Built collision detection systems using 2d vectors.
- Built a 2D block game (like Minecraft, but 2D).
- Implemented a chunking system to optimize performance and allow for an infinite world.
- Used Box2D for the physics simulation.
- All the games are open source and available on GitHub.