IAN KUZMIK - Programmer - Enterprise Database Integration

Ian Kuzmik

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Proficient In:
- SQL
  - PL/SQL
  - MySQL
- Python
- Bash

Familiar With:
- HTML/CSS
  - Bootstrap
  - Sass
- JavaScript
  - JQuery
  - React
- PHP
- C++
- Groovy
- MQL4
- Perl

Have Worked With:
- CMake
- Git
- Package Managers
  - npm, Homebrew, pip
- Excel & Google Sheets
- Web Scraping Libraries
- XML, JSON, Flat File
- Low/No Code Platforms
- Self-Hosted Generative AI

IT Experience

Programmer/Analyst — February 2022 - Present
Norwich University - Vermont (remote)
Enterprise software integration with Banner (an ERP for higher ed). Technical work requires competency in API and SFTP protocols, as well as a high level of comfort with scripting and data manipulation (mainly via SQL).

Because we are a very small team, I've had the opportunity to spearhead the technical side of large projects, such as modernizing our LMS and housing management system with new software vendors.

Each project involves learning new software, coordinating with other university departments, balancing customizations with native-capabilities, and, related to the latter point, maintenance of the system during and after development.

Coding Instructor — September 2020 - February 2022
Create & Learn - Remote
I taught mostly K-6th grade kids block-based languages (Scratch/Thunkable/Micro:Bit) as well as basic HTML, CSS, and JavaScript.

While the general curriculum was set by the company, I had a lot of freedom in how I taught each individual class. More advanced students were always a fun challenge, as I was able breeze past the basic lesson objectives and get into more complex concepts, curated to each individual based on their skills and interests.

In addition to teaching, I also wrote blog posts for Create & Learn, mostly Scratch tutorials. These tutorials gave me a chance to design my own lesson, balancing a fun game with simple, teachable code. A link to some of these posts can be found on my website's portfolio section.

WordPress Websites
Web development provided me with my first paycheck in an IT-related job. I rarely get into the weeds building websites these days, but I do still maintain basic projects and am comfortable in a web server.

Education:
- **CompTIA Security+ (2025)**
- **Norwich University: Micro Finance Certificate (2023)**
- **TEFL Certification (2019)**
- **Tulane University: BA - English (2015)**
- **I also graduated High School (2011)**

Volunteering:
- **Local Community Tech Support - Farmers Market, General Store, etc. (unofficial)**
- **Meal Delivery for Seniors (2020-2021)**
- **Museum Docent (2015)**
- **Middle School Debate Coach (2013)**
- **Teaching Outreach Overseas (2010)**

RambleBerry WildCraft - Home Business: May 2021 - Ongoing
A website for my wife's foraging and tea business. This was originally built from scratch with Wordpress, including built-in Instagram integration, contact form, unique post types for our products in the back end, and a custom Google Maps theme. I also made use of the BootStrap and jQuery frameworks for productivity.

This was impossible for my wife to update herself, so I eventually scaled back. My goal was to build something that not only she designed, but also something she could update and maintain by herself. A heavy amount of custom CSS aside, the current website is mostly third party plugins.

Red Lodge Senior Center - Red Lodge, MT: March 2020 - July 2021
This was a contract job for a new website/hosting solution for the local senior center in town. I decided on a WordPress website using Elementor (low-code website builder). I also maintained the website (updates, backups, performance/security enhancements) and took care of any hosting issues until Summer 2021, when I passed the baton to one of the board members I trained. They still use and update this site today!

'Not Directly Related' Experience

ESL Teacher — November 2019 - September 2020
VIPKid - Remote
I contracted with VIPKid to teach English to Chinese students (age ~5-14) through an online learning app. Classes were short 25-min blocks and occurred between 3:30 and 6 in the morning due to the time zone difference. Skills required included: communication, lesson preparation, grammatical/phonetic knowledge, and, for the younger kids, improvisation.

Property Management — August 2019 - March 2020
W Ranch - Luther, MT
This is a private vacation ranch I helped maintain. I worked under a supervisor for the bulk of this job, but, after he resigned, I assumed his role until the family moved there permanently at the onset of Covid. Duties included: light construction, landscaping, animal care, and general handiwork.

Service Industry — Fall 2015 - Spring 2019
I worked at a number of different restaurants during my time in New Orleans and Red Lodge, MT, from pizza to fine dining. Roles included:

Interim Chef - Kitchen Manager - Cook - Server - Baker - Prep - Dishwasher

Ranch Hand — August 2015 - October 2015
Rancho Cabron - Baja California, Mexico
This was a very formative few months I spent working on a goat dairy. I learned how to milk, shepherd, make cheese, maintain a ranch, and, due to some less than ideal circumstances, forage in the desert. My love of nature and passion for the environment were greatly informed by my time here. I also make a damn fine cheese.

Substantial Hobbies

Farmers Market Vendor — January 2017 - Present
RambleBerry WildCraft - Red Lodge, MT
My wife started Xochis Apothecary (now RambleBerry Wildcraft) as a passion project/side-hustle in 2017. We sell tea and incense (which she masterfully makes) at the local farmers market every week, utilizing both wild-foraged and farm-grown products, mainly from our property in VT.

I'm the 'Igor' in this operation, and my roles have included: ordering supplies, designing/printing labels, copywriting, website building, foraging ingredients from the wild, finances, and what I'm most proud of: salesman. I love the face-to-face customer interaction at the farmers markets; it's always been my favorite part and something I consider myself to be quite good at by this point.

Algorithmic Trading — on and off since March 2021
tapRoot Coding - Passion Project
Developing algorithms for the purpose of automated trading in the Forex and Crypto markets, as well as simple tools to aid in stock market analysis. Examples in my website portfolio.

I mainly use Python for these purposes, though I've also used PHP to help me out in building webhook automations. In addition, I've worked with two platform-specific languages: Pine Script (similar to Python) for TradingView, and MQL4 (similar to C++) for MetaTrader4.

I have open-source scripts published on TradingView for Crypto markets, and I've recently published a trading bot for purchase written in MQL4 for the Foreign Exchange market. I also have an unfinished YouTube series on the MQL4 language. The channel is primarily an extension of my passion for teaching, I just really enjoy doing it, and I hope to get back to making videos in the future.