



RYAN GERARD WILSON

Product Engineer & Data Scientist

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SKILLS

- Python
- Rust
- PHP
- JavaScript
- Node.js
- Laravel
- FastAPI
- Flask
- Next.js
- React
- Tailwind CSS
- Flutter
- Machine Learning
- OpenAI API
- XGBoost

EDUCATION

- B.A. LL.B. (Hons.)**
Dr. Ram Manohar Lohia National Law University, Lucknow
2015
- Goethe-Zertifikat B1**
Goethe-Institut e.V.

ABOUT ME

Product engineer and data scientist with over 10 years of experience spanning full-stack development, data science, and intellectual property law. Proven track record of driving business impact through technical innovation, including boosting supply efficiency by 20% and reducing technical debt by over 90%. Expertise in building and launching products from scratch, deploying machine learning models, and navigating complex legal and technical landscapes. Combines first-principles thinking with a builder mindset to ship fast, simplify ruthlessly, and deliver measurable results.

WORK EXPERIENCE

Oct 2022 - Present

Entrepreneur-in-Residence

Wiom | Gurugram, Haryana, India

- Genie (2025): Increased supply efficiency by 20% (15% from core rewrite + 5% from ML integration). Reverse-engineered and redeployed an undocumented legacy algorithm with zero downtime after the original creator's departure.
- CRM Forge (2024): Developed a streamlined platform (~7k LOC) that provisions custom CRM workflows via JSON configs in 2–3 minutes, consolidating and replacing five legacy systems (~100k LOC total). Enabled cross-functional teams to align and deploy tailored solutions in hours.
- Happy (2023): Decreased call-center dependency by ~5x while enhancing customer outcomes and agent satisfaction. Designed a telephony bot with lightweight CRM for escalations, plus a Hindi/Hinglish AI chatbot for instant, brand-consistent scripting—delivering quicker resolutions, reduced agent frustration, and consistent quality during demand spikes.
- Beyond core responsibilities, leveraged tech, IP, and corporate law expertise to shape Wiom's IP strategy, safeguard innovations, and aid fundraising through pitch deck refinements and investor legal diligence.

Jun 2021 - Sep 2022

Solo IndieHacker

- Built and launched three full-stack Laravel products from scratch while bootstrapping under tight financial constraints.
- Handled the complete product lifecycle including market research, backend and frontend development, branding, and direct sales.
- Executed sales and networking strategies, engaging with over 50 events to drive product adoption and gather market feedback.

Dec 2015 - Apr 2022

Intellectual Property & IP/Tech Lawyer

Sujata Chaudhri IP Attorneys (SCIP) & Rahul Chaudhary & Partners

- Promoted to Senior Associate 3–5 years ahead of peers through strong performance in high-stakes litigation.
- Helped secure an interim injunction in the landmark 2016 Rubik's Cube trade dress case (*Seven Towns v. Kiddiland*).
- Handled hundreds of trademark disputes, resolving most via pre-litigation mediations and favorable settlements, saving clients substantial time and costs.

Apr 2015 - Nov 2015

Marketing Associate

Rainmaker

- Drove higher email open rates and engagement via personalized, A/B-tested Mailchimp campaigns with custom HTML designs.

- Curated genuine customer testimonials that built trust and increased site conversions.
- Planned and executed a high-energy on-campus quiz for over 300 law students, boosting brand visibility and capturing leads.

PROJECTS

ai

[View Project](#)

- Extensible AI Tooling: Built Vim-first CLI using OpenAI Responses API with tools for file editing, diff auditing, interactive Q&A, and repository analysis via tool calling and reasoning streaming.
- Secure User Controls: Implemented Git safeguards to prevent auto-commits, sandboxed shell commands, user confirmation for changes, secure API key storage, PyInstaller single-binary distribution, semantic versioning, and configurable debug options for safe AI workflows.

xyz

[View Project](#)

- Outcome-Oriented Task Tracker: Built terminal-native, Vim-first TUI using curses for JTBD-framed tasks (trigger-outcome-impact), with North Star metrics scoring, bucketed workflows, and agenda/month views for strategic prioritization.
- Efficient Persistence and Usability: Used CSV-backed storage with CalendarService for reliable data handling, deterministic CLI flags for scripting and automation, JSON/inline editing, XDG-compliant config, and PyInstaller binaries for keyboard-driven task management.

o

[View Project](#)

- Vim-Inspired Directory Browser: Built lightweight terminal file manager using curses with dual UI modes (animated Matrix raindrop columns and classic list), Vim-style navigation, glob filtering, multi-select clipboard (yank/cut/paste/delete), and quick file opening in editors/viewers like Vim/Zathura.
- Customizable Usability Features: Implemented XDG-compliant JSON config for custom file handlers and modes, leader shortcuts for bookmarks/renames/new files, command mode for shell execution, help cheatsheet, and binary installation script for efficient, keyboard-driven workflows.

rt

[View Project](#)

- Interactive Programming Tutor: Built terminal CLI parsing Markdown into typing lessons with rote/touch modes, accuracy validation (>90%), skip directives, in-place editing, bookmarks, and Grok AI integration for upload/search/Q&A.
- Flexible Configuration and Integration: Featured XDG-compliant config for portability, CLI flags for training/status/purge, shell installer, and API client for Grok AI-enhanced, portable educational workflows.

vixl

[View Project](#)

- Vim-First Spreadsheet Editor: Developed terminal-native, curses-based tool for tabular data using Pandas and NumPy, featuring Vim-style navigation, external Vim cell editing, visual block selection/copy/paste, row/column operations, and command bar for Python expressions on DataFrames.
- Advanced Customization and Controls: Included fuzzy expression search, user-defined extensions for DataFrame mutations, undo/redo/history, auto-reloadable JSON config for shortcuts/clipboard, and support for CSV/Parquet I/O with PyInstaller binaries for efficient workflows.

gtkv (gtk4-vim)

[View Project](#)

- Vim's design meets graphics. Inline images without leaving the modal flow. GTK4-first editor that keeps Vim muscle memory intact while enabling visuals.

- Saves self-contained .gtkv.html files with base64-embedded images.

RGWML

[View Project](#)

- Comprehensive Rust ML Library: Created AI, data science, and machine learning crate replicating Python Pandas, with support for CSV/JSON handling, database integrations (MySQL, SQL Server, BigQuery), OpenAI API calls, XGBoost models, and neural network structures like NeuralAssociations2D.
- Developer-Focused Utilities: Featured data transformation tools including pivots, expressions, and dask-like operations to reduce cognitive load, achieving over 200,000 downloads for efficient, performance-oriented workflows in Rust.

ACCOMPLISHMENTS

Certifications

- **XGBoost Deep Dive with Python & Pandas - Hands on Data Science**
- **Google Apps Script Complete Course Beginner to Advanced - Udemy**
- **Learn Rust by building Real Applications - Udemy**
- **AWS Amazon S3 Mastery Bootcamp - Udemy**
- **PHP OOP: Object Oriented Programming for Beginners + Project - Udemy**
- **Crash Course - Learn to Create a PHP MVC Framework - Udemy**
- **Modern JavaScript From The Beginning - Udemy**