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# Resume - Ryan Gerard Wilson
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Summary

I'm a hands-on individual contributor who ships fast in startups, bridging business needs and production code. I build and iterate on lightweight statistical and ML solutions that deliver real impact-like 20%+ gains in supply efficiency or getting ML models into production for the first time.

Background spans 10 years: intellectual property litigation, three solo full-stack founder stints (indie hacking from scratch), and scaling operations in high-growth companies.

Passionate about crafting ultra-efficient developer tools and power-user systems that eliminate friction and amplify personal productivity.

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Core Tech Stack

At its core, includes my self-engineered hyper-efficient, distraction-free terminal-first-for-everything development environment on Arch Linux -delivering snappy file navigation, Vim-centric editing, and seamless workflow automation via tailored bash scripts that minimize GUI dependence and maximize CLI productivity. I have shipped production-grade applications across Python, Rust, PHP, JavaScript, Laravel, Node.js, Next.js, React, Tailwind, Flask, FastAPI, and Flutter, - and consider myself language-agnostic but rooted in the idea of constantly deepening my grasp of assembly, K&R C, and Python.

Entrepreneur-in-Residence, Wiom (October 2022 - Present)

At Wiom, I'm on a two-person Decision Sciences team (out of Product) that clarifies vague problems, resists premature coding, simplifies ruthlessly, ships fast to production, track real metrics, and iterate or pivot decisively. Key projects include:

a. Genie (2025): Boosted supply efficiency 20% (15% from rewrite + 5% from ML). Revamped the core lead-matching engine for faster, more reliable servicing-better logic, serviceability checks, and partner timing. Reverse-engineered and redeployed an undocumented legacy algorithm with zero downtime post-creator exit. Then productionized Wiom's first ML model: refactored a messy Jupyter GNN prototype into clean Python classes, separated business rules, and added a control API for non-tech teams to tweak in minutes-no redeploys needed.

b. CRM Forge (2024): Slashed technical debt >90% and cut CRM deployments from weeks to <1 hour, enabling rapid experimentation. Built a lean platform (~7k LOC) that provisions custom workflows via JSON configs in 2-3 minutes, replacing five legacy systems (~100k LOC total). Let teams align and ship tailored solutions in hours.

c. Happy (2023): Cut call-center dependency ~5x while improving customer outcomes and agent experience. Built a telephony bot + lightweight CRM for escalations, plus a Hindi/Hinglish AI chatbot delivering brand-consistent scripts instantly-faster resolutions, less agent frustration, consistent quality during spikes.

Beyond core work: Used my tech/IP/corporate law background to define Wiom's IP strategy, protect innovations, and support fundraising (pitch deck refinements, investor legal diligence).

Solo IndieHacker (June 2021 - September 22)

Built and launched three full-stack Laravel products (SLTYE, Equity's Darlings, LavendOrb) from scratch while bootstrapping under tight constraints—including a

high-risk credit card loan. Handled the full cycle: market research, backend/frontend dev, landing page copy, branding, domain/trademark checks, and direct sales via 50+ networking events.

The grind forced me to wear both builder and seller hats-turning it into a crash-course MBA in resilience, sales, finance, and shipping real products.

Intellectual Property & IP/Tech Lawyer (December 2015 - April 2022)

Promoted to Senior Associate 3-5 years ahead of peers at boutique firm Sujata Chaudhri IP Attorneys (SCIP) through strong performance in high-stakes litigation. Key highlight: helped secure an interim injunction in the landmark 2016 Rubik's Cube trade dress case (*Seven Towns v. Kiddiland*), which reinforced protections for toy IP in India. Also drove firm initiatives: migrated the full website to WordPress, built a sustainable attorney blogging system for thought leadership, and crafted novel arguments blending neuroscience with trademark law.

At Rahul Chaudhary & Partners (2019-2022): Handled hundreds of trademark disputes, resolving most via pre-litigation mediations and favorable settlements-saving clients substantial time and costs. Drafted robust agreements, leveraged precedents, managed clients in high-pressure scenarios, and litigated when needed. Honed negotiation, strategy, and risk assessment skills directly applicable to startups.

These roles deepened expertise in tech/AI/ML IP dynamics and business strategy, while building strengths in analytical rigor, innovation, and leadership. Backed by research: a 2020 study found natural language aptitude (key in legal training) strongly predicts success in learning programming languages like Python (see 2020 Nature study:
<https://www.nature.com/articles/s41598-020-60661-8>)

Marketing Associate, Rainmaker (April 2015 - November 2015)

Drove higher email open rates and engagement via personalized, A/B-tested Mailchimp campaigns (sharp subject lines, tight segmentation, custom HTML designs). Curated genuine customer testimonials that built trust and increased site conversions. Ran a high-energy on-campus quiz for 300+ law students, boosting brand visibility and capturing leads through solid event planning, team coordination, and live crowd handling.

Got front-row exposure to the full startup lifecycle, including its brutal end: the company shut down within six months. Saw leadership manage cash burn, delayed salaries, layoffs, and tough calls up close. The experience forged resilience to uncertainty, highlighted coding's potential for massive efficiency leverage (kickstarting my self-taught programming path and eventual career shift), and cemented a builder mindset that thrives in high-risk, lean environments.

Academic Background

- 2007: Goethe-Zertifikat B1, Goethe-Institut e.V.
- 2015: B.A. LL.B. (Hons.), Dr. Ram Manohar Lohia National Law University, Lucknow

Open Source

I build power-user tools that solve real pain points in programming, data analysis, and productivity. Highlights include:

a. xyz: A vim-first, terminal-native task tracker built on a sharper Jobs-to-Be-Done habit. It helps you write outcome statements that steer product, comms, and ops toward non-linear growth instead of busywork progress tracking.
[xyz](<https://github.com/ryangerardwilson/xyz>).

b. rt: A terminal-based learning environment inspired by gtypist and Unix man pages, sharpening programming intuition and defenses against low-quality AI-generated code, with structured notes, touch-typing practice
[rt](<https://github.com/ryangerardwilson/rt>).

c. o: A lightweight, Vim-inspired directory browser for your terminal. Navigate directories, open files in your preferred editor, create new files, yank/cut/ paste, and launch terminals – all from a fast curses interface. Has a "Matrix" inspired view where each filesystem entry appears as a falling column; you can toggle back to the classic list view whenever you like. See: [o](<https://github.com/ryangerardwilson/o>).

d. vixl: A recent project in its nascent stages that aims to pack ~80% of spreadsheet power into the terminal with Vim-like modes (normal, insert, visual) for navigating and editing live Pandas DataFrames. Lightweight, keyboard-driven alternative to Excel for fast data exploration and manipulation. See: [vixl](<https://github.com/ryangerardwilson/vixl>).

e. rgwml: Warmed up to low-level data-science ops by re-implementing core Python/Pandas patterns in Rust early in my learning. Result: a high-performance Rust crate for ML/AI tasks with Python bindings, now widely used in the community. See: [RGWML](<https://crates.io/search?q=rgwml>).

Certifications

- [XGBoost Deep Dive with Python & Pandas | Hands on Data Science](<https://www.udemy.com/certificate/UC-2dd68e82-8432-4d6c-b592-b60fc957c7e6/>)
- [Google Apps Script Complete Course Beginner to Advanced](<https://www.udemy.com/certificate/UC-a0f4e0e6-fd4c-4b7e-8b41-a0a06dad65e5/>)
- [Build an AutoGPT Code Writing AI Tool with Rust and GPT4](<https://www.udemy.com/certificate/UC-21d58a2d-3ee8-44a4-a0c5-63c912ad6aa7/>)
- [PyScript - The Complete Guide](<https://www.udemy.com/certificate/UC-c3165e06-2fa4-45af-87c7-3d06fe251b46/>)
- [Learn Rust by building Real Applications](<https://www.udemy.com/certificate/UC-b446dc59-4fee-4a01-9cab-7e1406f2d48c/>)
- [AWS Amazon S3 Mastery Bootcamp](<https://www.udemy.com/certificate/UC-7a13b7a8-b101-4690-b894-2a7c1133ba97/>)
- [PHP Date and Time with Carbon by Edwin Diaz](<https://www.udemy.com/certificate/UC-68d5682e-4d44-4f2b-88dd-ad733a308226/>)
- [PHP OOP: Objected Oriented Programming for Beginners + Project](<https://www.udemy.com/certificate/UC-d044b5e9-81d5-4ec4-8980-37540f05e7b9/>)
- [Bootstrap 3 Introduction: Create RESPONSIVE Websties Fast](<https://www.udemy.com/certificate/UC-05d6a4b2-c988-42a6-b207-3624e07ac5bd/>)
- [Crash Course - Learn to Create a PHP MVC Framework](<https://www.udemy.com/certificate/UC-38defala-c6e5-41be-8628-264a38d50cee/>)
- [Modern JavaScript From The Beginning 2.0](<https://www.udemy.com/certificate/UC-934bc855-b3cc-433e-955c-073200c76592/>)
- [Laravel - Create a User Registration with Email Notificaton](<https://www.udemy.com/certificate/UC-259b659a-1228-472d-9680-7e3c14235c85/>)
- [Modern HTML & CSS From the Beginning 2.0](<https://www.udemy.com/certificate/UC-7db57ec6-a996-4996-803b-874e0f640d05/>)
- [PHP with Laravel for beginners - Become a Master in Laravel](<https://www.udemy.com/certificate/UC-41c9c4c3-5f70-4cf8-91e8-5ec0a3395864/>)