Paul Watts

paulcwatts@gmail.com | (206) 355-9265 | Olympia, WA | linkedin.com/in/paulcwatts | joulespersecond.com | github.com/paulcwatts

Full-Stack Software Engineer – Unrepentant Generalist

In a world riddled in AI slop, here is something you can trust was written by a human being. I'm that human being, an authentic full-stack engineer with 10+ years of experience building software across startups and enterprise. I've founded companies, led engineering teams, and shipped products that solved real problems, from an open-source transit app I for which I was literally hugged by a stranger, to financial platforms processing millions of daily data points. My tech skills focus on Python, TypeScript, and AWS, and I'm a continual learner. It's obvious I don't have the most traditional career path, but what I bring is unbridled authenticity and a deep desire to build things that solve real problems for real people. Real human beings.

CORE COMPETENCIES

• Full-Stack Software Development	• Team Leadership & Development	• Cross-Functional Management
• DevOps Culture and Infrastructure	• Agile Project Management	• Systems Design & Architecture
• Writing, Communication and Empathy	• API and Database Design	• Debugging and Code Quality

LANGUAGES: Python | TypeScript | JavaScript
FRAMEWORKS: Django | FastAPI | React | VueJS | Pandas
CLOUD & INFRASTRUCTURE: AWS | Kubernetes | PostgreSQL | GitOps

KEY HIGHLIGHTS

- **Wrote an Android application (OneBusAway), with DAU in tens of thousands**, recognized as a Mobile App of the Year finalist.
- **Founded a fintech startup** that led to its acquisition by a Fortune 500 company within two years.
- **Architected a Python backend using FastAPI and GraphQL to scrape thousands of web pages** and enable nightly pricing analysis for millions of price points in Python/Pandas.
- **Developed and launched full-stack applications** in the legal and finance space in startup environments "from zero to one."

PROFESSIONAL EXPERIENCE

Co-Founder | Advis Network, Olympia, WA | Jan 2022 – Present

- Architected and built a modern DevOps process for multiple daily production releases on GitLab and AWS/EKS.
- Designed and implemented a TypeScript/Vue.js/Vite-powered SPA frontend for financial professionals.
- Developed data scraping and ingestion pipeline for creating research and analytics for unit trusts and buffered ETFs.

Lead Product Engineer | Nasdaq, New York, NY | Oct 2019 – Oct 2021

- Continued in a product engineering role after the acquisition of UIT Investing.
- Reduced deployment cycles from quarterly to bi-weekly by guiding the transition from waterfall to agile framework as a scrum master.
- Initiated monitoring process improvements that eased product status tracking and optimized data flow for stakeholder meetings.
- Became the team expert in Kubernetes in three months to supervise the migration of the UIT Investing platform from ECS.
- Planned, designed, and performed initial coding for project moving an existing on-premise application to AWS.
- Fulfilled company resource needs by interviewing potential candidates and onboarding 3 software engineers and 2 Jr. analysts.
- Engaged with the ¡Adelante Nasdaq! Latino employee group to promote an inclusive workplace environment.

CTO, Co-Founder | UIT Investing (Acquired by Nasdaq), Olympia, WA | Apr 2017 – Oct 2019

- Engineered a micro-service architecture for a data pipeline that processes millions of financial data points daily.
- Designed and implemented a backend and frontend SPA for comparative analysis of unit investment trusts.
- Collaborated with the CEO on product and business development initiatives to identify market opportunities and align product strategies with business goals.

CTO | TurboPatent Corporation, Seattle, WA | Dec 2013 – Aug 2016

- Led hiring and expanded the dev team from 3 to 14 members, with a more diverse background than the company at large.
- Developed the team's coding, linting and TDD standards to ensure the highest quality output.
- Acted as CSO, building the company's security framework, secure coding guidelines, and OWASP compliance education.

EDUCATION

Major in Computer Science & Mathematics: University of Illinois Urbana-Champaign, Urbana, IL

HONORS & AWARDS

Finalist, Mobile App of the Year | Issued by **GeekWire** Presents the **Seattle 2.0 Startup Awards**
Second Place, Android Division, Best Transportation App Ever! | Issued by **148Apps**
PUBLICATION: Don't Stop Believin': Karaoke and the Entrepreneur
LANGUAGES: **English** (Fluent) | **Spanish** (Basic)