Paul Watts

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Full-Stack Software Engineer - Startup Enthusiast

I'm an award-winning full-stack developer and tech leader with over 10 years of experience architecting, developing and delivering cloud-based web applications and DevOps infrastructures on AWS, often from concept to launch. Throughout my career I've led high-impact projects, hired and mentored engineering teams, worked cross-functionally to ship great products, and been a steadfast champion of unit testing, TDD, and code quality. I consider myself a "utility player" who can pick up new skills and technologies quickly.

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

TECHNICAL SKILLS: Python | TypeScript | JavaScript | Django | Pandas | VueJS | React | AWS | Kubernetes | PostgreSQL

KEY HIGHLIGHTS

- **Architected an Android application, with DAU in tens of thousands**, and earned recognition through multiple "Best of" awards.
- **Founded a fintech startup** that led to its acquisition by a Fortune 500 company within two years.
- **Constructed 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 multiple full-stack applications** "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 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 Manager | Nasdaq, New York, NY | Oct 2019 – Oct 2021

- 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.
- Enhanced system performance by supervising the migration of the UIT Investing platform from ECS to Kubernetes.
- 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

- Fueled the engineering growth by expanding team from 3 to 14 members by managing the hiring processes.
- Guaranteed top-tier output across all technical initiatives by crafting the company's operational roadmap.
- Directed the product's security framework and trained the team on developing secure software practices as a CSO.

EDUCATION

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

PROFESSIONAL DEVELOPMENT

Machine Learning Fundamentals in Python | DataCamp (Ongoing)

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)