

Paul Watts

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Full-Stack Software Engineer - Startup Enthusiast

Award-winning software engineer with 10+ years of experience developing and delivering tailored software solutions, architecting scalable APIs, optimizing PostgreSQL database schemas, and building cloud infrastructure on AWS. Managed end-to-end development processes with a focus on creating security frameworks, CI/CD pipelines, and agile methodologies. Led and executed high-impact projects, mentored engineering teams, and fostered cross-functional collaboration to accelerate product delivery timelines and improve code quality.

CORE COMPETENCIES

- Full-Stack Software Development
- Software Quality Assurance
- Infrastructure Management
- Debugging & Troubleshooting
- Resource Hiring & Allocation
- Team Leadership & Development
- New Product Launches
- Microservice Architecture
- Security Framework Design
- Agile Project Management
- User Experience (UX) Excellence
- SDLC/PDLC Expertise
- Database Schema Design
- CI/CD Pipelines
- APIs Integration

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

KEY HIGHLIGHTS

- **Architected an Android application, with DAU in tens of thousands**, and earned recognition through multiple "Best of" awards.
- **Founded and scaled 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, leveraging Pandas.
- **Developed and launched various full-stack applications** from concept to deployment, delivering robust front/back-end solutions.

PROFESSIONAL EXPERIENCE

Co-Founder | [Advis Network](#), Olympia, WA | Jan 2022 – Present

- Created modern deployment process for daily production releases by designing and configuring CI/CD pipelines on AWS/EKS.
- Created a Vue.js/Vite-powered SPA frontend to empower financial professionals in product comparisons through data charts.
- 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 and enables CD efforts.
- Facilitated informed decision-making by programming a premier website focused on 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)