

David Kavanagh

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Profile

Senior Software Engineer with 8+ years of experience designing, developing, and deploying scalable, cloud-native software solutions. Adept at API development, distributed systems, and enhancing developer workflows. Proven leadership and management in cross-functional teams, delivering impactful projects, and driving technical excellence in dynamic environments.

Core Skills

Languages	Python, Rust, TypeScript, JavaScript, Terraform, Java, Scala
Data	Snowflake, DBT, PostgreSQL, MySQL, Redis
Tools	AWS, Docker, Datadog
Architecture	Data Pipelines, Microservices, REST APIs, Event-Driven Systems
DevOps	CI/CD, IaC, Monitoring & Logging
Leadership	Agile, Mentorship, Team Collaboration, Design

Experience

- 2025–Present **Software Engineer**, *Whatnot*, Dublin, Ireland
 - Developing and maintaining backend services for financial reporting and tax compliance
 - Building scalable data solutions using Python, Snowflake, and DBT
 - Collaborating with cross-functional teams to deliver reliable, performant systems
- 2024–2025 **Lead Engineer, Payments**, *Evervault*, Dublin, Ireland
 - Led the development of new payment features and integrations, ensuring seamless adoption by clients and internal teams
 - Managed the team's technical roadmap and drove improvements in API functionality to enhance performance and developer usability
 - Mentored and guided engineers while establishing best practices for system reliability and security
 - Utilized Terraform to automate infrastructure provisioning and ensure scalability in dynamic production environments
- 2022–2024 **Senior Software Engineer**, *Apata*, Dublin, Ireland
 - Led the design and development of key system features using TypeScript and AWS for a scalable, secure architecture
 - Spearheaded migration from JavaScript to TypeScript, improving code maintainability across the codebase
- 2021–2022 **Software Engineer**, *Salesforce*, Dublin, Ireland
 - Built interactive Slack apps in TypeScript and backend integrations with Java/Spring
 - Managed infrastructure and CI/CD pipelines using AWS, Jenkins, and Terraform
- 2017–2021 **Software Engineer - Distributed Systems**, *Workday*, Dublin, Ireland
 - Optimized the integration runtime platform to reduce latency and improve uptime
 - Resolved high-priority production issues while maintaining system SLAs
- 2016 **Software Development Intern**, *Qumas/Dassault Systemes*, Cork, Ireland
 - Built prototypes using Apache Spark for distributed processing and Kafka for streaming
 - Implemented real-time data stream processing for high-volume, low-latency data handling

Education

- 2025 **Professional Academy Diploma in Leadership and Management**, *University College Dublin*, Dublin, Ireland
 - Achieved Distinction across all learning outcomes and practical assignments
 - Developed advanced coaching and mentoring skills for team development
 - Enhanced communication and stakeholder management capabilities
- 2013–2017 **Bachelor of Science in Computer Science**, *Munster Technological University*, Cork, Ireland
 - Final Year Project: Designed and implemented an Optical Character Recognition (OCR) system tailored for retail betting applications. Utilized open-source technologies to develop a scalable, efficient solution that streamlined data entry processes, reducing manual workload for operators.