

Professional Summary

Full Stack Developer and Cloud & DevOps Engineer with exceptional ability to transform complex systems through rapid mastery and systematic improvement. Specializes in high-performance cloud infrastructure and distributed systems, consistently architecting clean, scalable solutions for mission-critical applications. Combines unusually fast execution with rigorous design thinking, regularly turning challenging technical problems into elegant, maintainable systems. International conference speaker with proven expertise in cloud-native architectures, serverless transformation, and secure system design. Known for elevating development practices and driving teams toward technical excellence through clear architecture and automated workflows.

Cloud & Infrastructure	Development & Automation	DevOps & Platform Ops	Security & Reliability
Multi-Region Systems	TypeScript & Node.js	GitOps Workflows	Incident Response
Serverless Architectures	Go & Rust Tooling	Docker & Kubernetes	Threat Detection
Distributed Networks	Real-Time Systems	Monitoring & Alerts	OAuth2.0 & API Security
Cloud-Native Stacks	CI/CD Pipelines	Event-Driven Flows	Cloud Compliance

Professional Experience

Q42 & Philips Hue
Global IoT platform, 100M+ monthly requests
Infrastructure Engineer

Den Haag, Netherlands

Jun 2019 – Sep 2019

- Engineered RFC-compliant OAuth system, enabling seamless Apple and Google Home integrations on a global scale [OAuth 2.0]
- Transformed infrastructure from Netherlands-only to multi-region, reducing US latency by 70% [Multi-Region]
- Built API management system, meeting China/Russia data sovereignty requirements while scaling to millions of requests [API Gateway]
- Coordinated closely with a high-performance team of five, covering API, infrastructure, and multi-region replication [Collaboration]

Populytics
National policy research platform powering government decisions
Cloud Architecture Engineer

Leiden, Netherlands

May 2023 – Nov 2023

- Architected multi-region CDN using S3 replication, achieving automated cache invalidation with Lambda@Edge [CloudFront/S3]
- Developed event-driven pipeline (EventBridge/SNS/SQS) processing 100K+ daily survey responses to enhance data throughput [AWS]
- Designed GitOps-based IaC deployments, supporting per-PR test environments with RDS/DynamoDB snapshots [Infrastructure]
- Ensured survey data compliance with national policy standards, securing key government contracts [Data Compliance]

Systems Engineer

Mar 2021 – Dec 2021

- Engineered a scalable serverless stack with AWS Lambda, DynamoDB, and API Gateway, supporting 36K+ concurrent users [Serverless]
- Performed a zero-downtime migration from RDS to a custom-optimized PostgreSQL cluster, reducing costs by 60% [Database]
- Developed real-time survey engines using WebSocket APIs, handling complex branching logic across interactive surveys [Node.js]
- Built a comprehensive CI/CD pipeline supporting each PR with a dedicated test environment, integrating with Jira workflows [CI/CD]

Lean Motherfuckers
High-intensity innovation lab for enterprise clients
The Hacker (Full-Stack Developer)

Europe

2016 – Present

- Built native health monitoring suite (SwiftUI) with real-time HealthKit integration across multiple sensors [HealthKit]
- Engineered React-based scheduling interface with drag-and-drop, conflict resolution, and real-time updates [Frontend]
- Architected serverless video platform using CloudFront/MediaConvert, achieving sub-second video startup times [AWS]
- Designed Solidity smart contracts for fractional real estate investments with automated settlements [Blockchain]

Technical Innovation Lead

2016 – Present

- Pioneered a unique development methodology combining intense focus periods with strategic relaxation to drive innovation [Process]
- Delivered enterprise-grade systems for clients like Google and NS in record time, turning ideas into actionable MVPs [Impact]
- Led high-intensity sprints, consistently achieving a 90% adoption rate for new technologies and processes [Efficiency]
- Successfully delivered dozens of prototypes, with a time-to-market reduction of 40% for client products [Scale]

Street Art Cities	Global
World's largest street art platform with 64,732 artworks across 1,766 cities	
<i>Chief Technology Advisor</i>	<i>May 2018 – Present</i>
<ul style="list-style-type: none"> Designed an event-driven system using Lambda and EventBridge to process image uploads, handling 1K+ uploads weekly [Serverless] Created a single-table schema with GSIs to optimize data access for 60K+ artworks by artist, city, and country [DynamoDB] Implemented a multi-region CDN with CloudFront and Lambda@Edge, reducing storage costs by 70% [Infrastructure] 	
<i>Lead Systems Engineer</i>	<i>June 2017 – May 2018</i>
<ul style="list-style-type: none"> Refactored PHP monolith into serverless microservices with API Gateway and 30+ Lambda functions using a custom authorizer [AWS] Led zero-downtime migration from MySQL to DynamoDB using DMS, maintaining data integrity with custom transformers [Data] Developed a React Native app with offline-first architecture, supporting real-time updates via AWS AppSync [Mobile] 	
Wortell	Netherlands
Azure security operations & threat response	
<i>Security Systems Engineer</i>	<i>Aug 2021 – Apr 2023</i>
<ul style="list-style-type: none"> Built a custom detection engine with 200+ KQL queries to analyze Defender ATP and network telemetry across 50K endpoints [KQL] Developed a threat intelligence pipeline integrating custom feeds via Azure Functions, reducing false positives by 65% [Go/Python] Automated incident response workflows using Azure Functions to orchestrate custom remediation actions [Azure] 	
Lunar Zebro	Delft, Netherlands
TU Delft space robotics mission	
<i>Head of Ground Segment Department (leading a team of 10+ people)</i>	<i>Jul 2023 – Jan 2024</i>
<ul style="list-style-type: none"> Rebuilt department's architecture from the ground up following a complete team turnover to restore operations [Architecture] Implemented agile sprints, reducing engineering cycles from 6 months to 2 weeks and accelerating decisions by 80% [Process] Introduced tools and practices, removing cross-department bottlenecks to streamline mission workflows [Systems] 	
<i>Ground Segment Engineer</i>	<i>Sep 2022 – Jun 2023</i>
<ul style="list-style-type: none"> Overhauled space engineering workflow by applying lean methodologies from tech, improving efficiency [Engineering] Cut mission planning cycles from 3 months to 2 weeks by eliminating bureaucratic steps [Operations] Assumed an informal leadership role, fostering a shift from analysis-paralysis to proactive execution [Leadership] 	
GewoonMensen	Netherlands
COVID-19 Emergency Response Platform	
<i>Technical Lead & Chief Architect</i>	<i>Mar 2020 – May 2020</i>
<ul style="list-style-type: none"> Architected and led development of a COVID-19 response platform within 72 hours to handle urgent health demands [Architecture] Designed and deployed a scalable system on Google Cloud Platform (GCP) to support 100K+ daily users [Scale] Assembled and led a crisis response team of senior engineers, delivering a production-ready platform within days [Leadership] 	
NearSt	London, United Kingdom
Google-backed retail intelligence platform handling £100M+ in commerce	
<i>Lead Frontend Architect</i>	<i>May 2018 – Jul 2018</i>
<ul style="list-style-type: none"> Developed a real-time dashboard with WebSocket live updates, supporting 3K+ concurrent retail connections [React] Built a modular component system and Storybook-driven design, scaling efficiently across product lines [Architecture] Designed a federated GraphQL layer to aggregate inventory, analytics, and sales data for 100K+ SKUs [GraphQL] 	

Education

Bachelor of Science Aerospace Engineering – Minor in Computer Science	2020 – 2024
TU Delft	Delft, Netherlands
Bachelor of Science Physics – Elemental Particle Physics Track	2024 – Present
TU Delft	Delft, Netherlands

Speaking Engagements and Recognitions

• RChain Conference – Keynote Speaker	Berlin, 2019	• 1st Prize Winner ADE Hackathon	2017
• Blockchain Innovation Week – Presenter	The Hague, 2018	• Accenture's TNW Best 500 Under 26	2017 – 2024
• Internet of Agreements Conference – Presenter	London, 2018	• GitHub Arctic Code Vault Contributor	2020