HANDS-ON CTO / ENGINEER / BUILDER

# Dion David.

From the architecture
to the app in your pocket.

10+ years building products · Two CTO roles · Co-founder · Team of 12 · diondavid.com ↗

## 01 / MINDSET

Think big.
Find a way.
**Follow through.**

I take ownership from the first idea to a working product. I make practical architectural choices, stay hands-on and work through obstacles until the job is done. I care deeply about my team: what we build is a shared achievement.

## CONTACT


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diondavid.com

LinkedIn / dionhaneveld ↗

GitHub / artifex-pro ↗

Remote · Ho Chi Minh City
Amsterdam · Madrid


**Open to advisory and part-time engagements.**

## CORE TOOLKIT

Kubernetes · Terraform · Google Cloud · Python · TypeScript · PostgreSQL · PyTorch

## HOW I BUILD

### Move faster. Build responsibly.

I use Claude Code and Codex to move faster, while taking responsibility for quality and delivery.

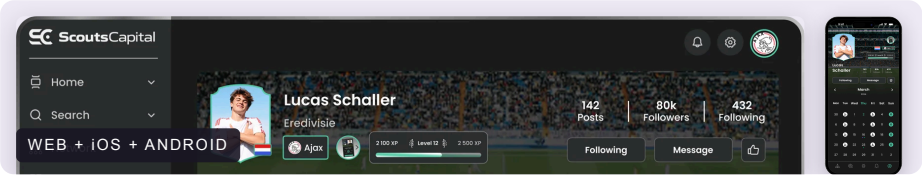
## 02 / EXPERIENCE

2014 - PRESENT

### ScoutsCapital

2023 - now

CTO · Football's social platform




Helped expand a football discovery idea into a social platform for posts, video, live streaming and player profiles. Our aim: make talent more discoverable through real matches and community activity.

Supervise six developers within a team of 12. Design the full technical architecture and carry out the majority of hands-on implementation, working with our principal engineer. Direct the developers, review their work and guide delivery toward the product's end goal alongside the CEO, CRO and CMO.

- **Delivered video streaming.** Built HLS transcoding and caching across Google Cloud Storage and Cloudflare to make streaming affordable for a small team.
- **Built for sustainable growth.** Designed a stable platform core with autoscaling workers, keeping infrastructure costs central to architectural decisions.
- **Reproducible infrastructure.** GKE, Terraform, Helm and ArgoCD; isolated workloads, monitoring and bastion-protected access.
- **Production AI.** Built PyTorch moderation for images, video and audio, served through Vertex AI and Temporal.
- **One backend, three clients.** FastAPI and PostgreSQL, Nuxt web and Flutter mobile; hardened authentication and idempotent payments.

### Servoy

2023

Developer

Built AI features and web applications with cross-functional product teams.

### TrackYourFiles

2018 - 2022

CTO

Led technology strategy and development of the file-tracking platform for four years.

### OTHER PROJECTS

**ReplyBay · Co-founder, 2026 - now.** Building AI customer support across email, messages and social comments, with business context and human review. replybay.ai ↗

**PairBrowse · Creator & maintainer.** Browser collaboration for people and AI agents. GitHub ↗

THE FOUNDATION BEHIND THE WORK

# Skills, education & research.

02

Skills
Education & research
Languages

## 03 / SKILLS

HANDS-ON EXPERIENCE

### 01 Cloud & infrastructure

Google Cloud, GKE, Terraform, Helm and ArgoCD. GitOps deployments, workload isolation, autoscaling and observability with Prometheus, Grafana and Loki.

### 02 Product engineering

Python, FastAPI, Django, TypeScript, Nuxt and Next.js. PostgreSQL, API design, authentication and payment workflows. Product/UI design and Flutter delivery.

### 03 AI & data science

PyTorch, TensorFlow and scikit-learn. Computer vision, CNNs, recurrent networks and transformers; feature engineering, evaluation and explainability.

### 04 Leadership & delivery

Supervising six developers in a team of 12. Architecture ownership, hands-on implementation, task direction and code review; guiding delivery toward product goals.

## 04 / EDUCATION & RESEARCH

### MSc Computer Science

2018 - 2021

Software Engineering & Green IT · VU Amsterdam & University of Amsterdam

Joint master's of VU Amsterdam and the University of Amsterdam, on the Software Engineering and Green IT track. Algorithms, data structures and system architecture, with a final specialisation and thesis in AI.

MASTER'S THESIS · INDUSTRY CASE STUDY

#### Evaluating and Improving Existing Marketing Related AI/ML Models

An industry case study with Exsell, a predictive marketing company. I evaluated their LeadScore and LeadValue models, which find likely new B2B customers, and tested a recurrent neural network (LSTM) against the existing random forests. Feature contributions were explained with SHAP and LIME, and SMOTE handled the heavily imbalanced data.

The work combined model comparison, prediction explainability and class-imbalance handling to evaluate an existing business application of machine learning.

Supervised by Prof. Dr. Fabio Massacci · defended August 2021

### BSc Software Engineering

2014 - 2018

Amsterdam University of Applied Sciences

Software engineering fundamentals through hands-on projects in many languages and tools.

2019 · Seoul, South Korea

### Korea University

Exchange semester: Computer Science

Software development, virtualization (KVM), security and machine learning.

2017 · Seoul, South Korea

### Seoul National University

Exchange semester: Software Engineering

An intensive program in modern development methods and advanced programming.

## 05 / LANGUAGES

**Dutch · Fluent**
**English · Fluent**

Working across international teams in Amsterdam, Madrid and Ho Chi Minh City.