

Emus Cakir

Senior Software Developer · Full-stack · TypeScript · Node.js · React · AWS · Firebase · Cloud Enterprise Integration · AI Systems · Automation · Agentic Systems · Open-Weight LLMs · Serverless AI



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LOCATION
Harderwijk, Netherlands

PROFILE

Software engineer with **20+ years of experience** designing and building scalable cloud-native systems and modern web applications. Specialized in **TypeScript, AWS serverless, enterprise integrations and event-driven architecture**. Equally comfortable delivering pixel-perfect interfaces, full-stack products, backend platforms and automated CI/CD pipelines. Experienced in solution design, technical leadership, mentoring engineers and raising engineering standards through pragmatic, hands-on guidance. Recently focused on **custom agentic systems, AI-enabled development and self-hosted open-weight LLM infrastructure**, applying AI where it creates measurable engineering value rather than hype.

20+ xp

Years building production software

Full-stack

Frontend to cloud infrastructure

Cloud

Serverless and event-driven specialist

AI

Custom agents and open-weight LLM systems

CORE EXPERTISE

TypeScript Node.js NestJS React
Next.js AWS Lambda SNS / SQS
DynamoDB SAM / CloudFormation
SAP S/4HANA Enterprise Integration
Event-driven Architecture CI/CD System Design
Technical Leadership

AI ENGINEERING

Agentic Systems Custom Agents
Open-weight LLMs Local & Serverless Inference
Tool Calling RAG MCP Integrations
Model Evaluation AI-assisted SDLC

WHAT I BRING

- End-to-end ownership from user interface to self-healing cloud backend.
- Architecture decisions grounded in operability, maintainability and business value.
- Strong bridge between product, engineering, operations and external enterprise systems.

LEADERSHIP

- Lead technical discussions and translate complex requirements into executable plans.
- Mentor junior, medior and senior engineers through reviews and hands-on pairing.
- Raise quality through automation, standards, observability and knowledge sharing.

Experience & background

Selected engagements across cloud, commerce, media and enterprise platforms



PROFESSIONAL EXPERIENCE



Drukwerkdeal.nl / Cimpres

2021 - Present

Senior Full-stack Software Engineer · Enterprise Integration

Modernized financial and order-processing systems by moving Symfony and Kotlin workloads toward a unified TypeScript/NestJS landscape. Designed and built AWS serverless, event-driven middleware for SAP S/4HANA integrations, including reliable order synchronization, asynchronous processing and operational automation.

TypeScript NestJS React AWS Lambda SNS SQS DynamoDB SAP S/4HANA



Bluefront B.V. / Adesso NL

2018 - 2026

Senior Full-stack Consultant

Built TypeScript RIA/SPAs and micro-frontends with React and Next.js, backed by NestJS, Express and Node.js APIs. Delivered cloud-native services on Docker, Kubernetes and AWS serverless infrastructure for enterprise clients.

React Next.js Node.js NestJS Docker Kubernetes AWS



Nationale Postcode Loterij

2019 - 2021

Full-stack Developer

Contributed to a greenfield replacement of a Symfony monolith with React micro-frontends and service-oriented backends. Helped decouple player, ticket and lottery capabilities while modernizing the frontend-facing architecture.

TypeScript React Symfony Java Microservices Docker



Ahold Delhaize

2018 - 2019

Frontend Developer

Modernized ah.nl account onboarding and Bonus experiences by replacing BackboneJS modules with TypeScript, React and Redux components communicating through a Node.js middle-layer API.

TypeScript React Redux Node.js BackboneJS



Dr. Oetker

2018 - 2018

Frontend Developer

Owined frontend component development for bakken.nl using React, Redux and a headless Sitecore architecture with isomorphic server-side rendering.

React Redux Sitecore SSR Headless CMS



Xlab Cloud Services · Sanoma NL

2013 - 2017

Full-stack Developer

Developed and maintained SaaS and media platforms, including back-office integrations, third-party coupling solutions and content-distribution capabilities used across partner publications.

PHP JavaScript SaaS MySQL APIs Integrations



Zietuwel / Eurolutions · Mediacollege Amsterdam

2007 - 2013

Full-stack Developer · Developer/Consultant

Delivered web applications, integrations, deployment infrastructure and online platforms. Also reviewed final-year web-development examinations with a focus on technical quality and professional readiness.

PHP JavaScript CakePHP Magento MySQL SOAP Plesk



Cerme ICT B.V.

2003 - 2006

Frontend / Web Developer

Designed and implemented websites and web applications for small and medium-sized service organizations, covering both frontend and backend delivery.

HTML CSS JavaScript PHP Web Development

EDUCATION

University of Amsterdam

Postgraduate Software Engineering · 2012 - 2013

Utrecht University

BSc Science & Innovation Management · 2005 - 2011

Kyoto University

KUINEP International Exchange · 2008 - 2009

LANGUAGES

Dutch

Native proficiency

English

Full professional proficiency

Nogai

Limited working proficiency

Beyond the code

Personal details, interests & what drives me



PERSONAL DETAILS

DATE OF BIRTH

16 December 1984

BORN IN

Harderwijk, Netherlands

NATIONALITY

Dutch

FAMILY

Married, father of three

LANGUAGES

Dutch (native), English (fluent)

DRIVER'S LICENSE

B (since 2004)

HOW I WORK

I don't tolerate half-finished work and always prioritize planning and considering all possible outcomes. **Stress and pressure are not in my vocabulary** — I prioritize quality over quantity. I effortlessly switch between tasks while maintaining a calm demeanor, continuously seeking to learn and grow. With a positive attitude and an open mind, I bring a **"we can do it"** mentality to every team I join.

PIXEL-PERFECT PHILOSOPHY

Making useful and beautiful apps is not just coding — it's the experience and feeling it portrays. I wear multiple disciplinary hats and get involved in the whole process: **full-stack development + UX + CI/CD**. The UX/DX is just as important as the tech behind it. A considered weakness? **I am pixel-perfect**. I consider CSS/SCSS equally important as any other language; you should know how to style.

HOBBIES & INTERESTS

Sci-Fi

Tech & Gadgets

League of Legends

Japan

World of Warcraft

Travel (Asia)

Open-weight AI

Self-hosting

EARLY EDUCATION

VWO — RSG 't Slingerbos, Harderwijk

Physics & Science (Natuur & Techniek) / Informatica · 1998 - 2005

Build with purpose. Ship with pride. Automate the boring stuff.
— Emus Cakir