Ivan Kahl
Technical Lead

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Summary

I've always wanted to build big, super cool systems and help others along the way. I love turning complex ideas into performant software using appropriate design patterns like Domain-Driven Design (DDD), Event-Driven Architecure (EDA), Ports and Adapters or even a straightforward minimal REST API. I strive to continue learning, whether it be new concepts, languages, frameworks or tools. As I learn, I love to share my learnings with others on my personal blog, and in blog posts I write for other companies as a freelance technical writer.

Technical Skills

- Software Architecture
- Domain-Driven Design (DDD)
- Event-Driven Architecture (EDA)
- C# (.NET Framework, .NET Core, .NET 5+)
- ASP.NET Core
- Microsoft SQL Server
- PostgreSQL
- Azure
- AWS
- REST Integration
- SOAP Integration
- FIX Integration
- Azure DevOps
- GitHub CI/CD
- Go
- NodeJS
- React
- Next.js
- TypeScript
- Sage CRM
- Salesforce

Soft Skills

- Communication
- Leadership
- Problem Solving
- Work Ethic
- Teaching
- Collaboration
- Organization
- Time Management

Experience

Alpha International
Senior Software Engineer (Technical Lead)

April 2023 - Present

- Build and maintain our internal Identity Provider based on Duende
- Design and build new platform services for other teams
- Help maintain testing and deployment pipelines in Azure DevOps
- Champion Domain-Driven Design and Event-Driven Architecture across internal teams
- Planned and executed migration of services to a private network with NGINXaaS as a reverse proxy
- Mentor other developers
- Code review and feedback
- Collaborate across teams to deliver new products

Skills: Domain-Driven Design   Event-Driven Architecture   Leadership   C#   Microsoft Azure   PostgreSQL   Azure DevOps

Mercury

Technical Lead

June 2022 - March 2023

- Communicate with business stakeholders to plan projects and set appropriate deadlines.
- Designed and developed new features for Mercury's core applications.

- Architected technical solutions for third party integrations.
- Developed CI/CD process for core applications.
- Implemented software development workflow for the team in GitHub.
- Reviewed code and provided feedback to team members.
- Hired and trained new team members.

Skills: Team Management   Leadership   C#   Microsoft SQL Server   AWS   GitHub Actions

Backend Software Developer
June 2019 - May 2022

- Maintained and developed new features on our WordPress website using SOAP and PHP.
- Developed a new website for clients to request Tax Clearance Forms from SARS using Vue and ASP.NET.
- Designed and developed a framework that encapsulates all our business processes in .NET Standard. This framework is used across all our different platforms.
- Developed integrations with banks and other third-parties using REST and FIX.
- Collaborated with Ripple, Bitstamp and VALR to bring instant international payments to South Africa.
- Worked with South African Reserve Bank in a sandbox to help shape crypto regulations in South Africa.
- Hired and trained new team members.

Skills: PHP   Crypto   JavaScript   C#   Microsoft SQL Server   AWS

Draft.dev
Technical Writer
June 2022 - Present

- Research and experiment with different technologies.
- Write technical articles using outlines provided.
- Collaborate with editors and technical reviewers to refine articles.

Skills: Technical Writing   Rust   WordPress   JavaScript   .NET

Yellow Duckling
Founder
March 2021 - Present

- Developed system for multiple churches to manage attendance limits during the COVID-19 pandemic.
- Develop WordPress websites.
- Create Google Doc plugin to help manage grades for a tutoring company.
- Developed registration form for church using Next.js and Firebase.

Skills: WordPress   DigitalOcean   Technical Writing   Business Management   C#

Astech
Software Developer and Consultant
January 2018 - May 2019

- Helped maintain and develop a Loan Management System built on top of Sage CRM.
- Developed a .NET plugin for Outlook that integrated with Sage CRM.
- Developed the official Sage CRM integration for Sage Evolution used by Sage.
- Customized Sage CRM using .NET, ASP and JavaScript.

Education

University of South Africa
BSc in Informatics
December 2025

- Studying Part Time

Amazon Web Services
AWS Certified Developer
December 2021

Amazon Web Services
AWS Certified Cloud Practitioner
November 2020

Reddam House Bedfordview
Matric Certificate
December 2016

- 8 distinctions
- School Dux Scholar of 2016
- In Top 100 of IEB

Dale Carnegie
Generation NEXT

October 2015

References

References available <u>on request</u>.