

ALVIN KWEKEL

SOFTWARE ENGINEER AND INTEGRATION SPECIALIST

Driven by a passion for organization-wide information needs, I bridge the gap between technology and practice. I design and implement suitable software that optimizes collaboration among employees, customers, and partners.

HIGHLIGHTS

- Experience with leading teams and managing strategic programs
- Strongly analytical and persistent: I sink my teeth into complex problems until a working solution is found
- Effortlessly translates complex technical concepts and patterns into successful implementations
- Broad hands-on expertise in diverse programming languages, frameworks, and protocols
- A communicative professional who values collaboration, knowledge sharing, and coaching colleagues

WORK EXPERIENCE

CIBG - Ministry of VWS *Integration Expert*

January 2022 – present

- Designing and implementing various integration solutions and generic services from concept to production in direct contact with business stakeholders (with Spring Boot and Apache Camel)
- Architecting an integration platform with multiple generic components to be used by multiple development teams
- Complete technical development and lead of the organizational launch of a new public API / Developer Portal for CIBG Open Data
- This includes coordination with product owners (such as of the BIG register), external pilot customers, external pentesters, architecture, security, communication, and UX department (Angular frontend in corporate style, Spring Boot backend, and Broadcom API Gateway)
- Designing and developing a generic scanning street in collaboration with an external scanning supplier and product owners of downstream products
- Migrating integration platform to Kubernetes with Azure DevOps and Azure Container Registry
- Designing with clean architecture principles and modeling based on C4, EIP, and UML
- Automated testing with Playwright, Selenium, ArchUnit, PITest, and jMeter
- Setting up Apache Kafka and Apache Artemis messaging platforms with Ansible and a monitoring platform with Grafana, Prometheus, Loki, Tempo, and OpenTelemetry



Software architect & developer with an integral approach: from strategic design to flawless implementation



PERSONAL

Born: September 2, 1986

Married

Dutch nationality

Fluent in English and Dutch

Residence: Hellevoetsluis

+31612991380

alvin@liberition.com

linkedin.com/in/alvinkwekel

liberition.com

In possession of a driver's license

MIDDLEWARE

TIBCO BusinessWorks	★★★★★
Apache Camel	★★★★★
Azure API Management	★★★★★
Azure Service Bus	★★★★★
Apache Kafka	★★★★★
ActiveMQ and Artemis	★★★★★
Google PubSub	★★★★★

And also: Mulesoft Mule ESB, IBM MQ, TIBCO EMS, Activiti / Flowable, RedHat JBoss Fuse, Apache ServiceMix, Talend ESB, SAP API Management (Apigee), SoftwareAG webMethods, Progress Sonic, Fiorano ESB, and Broadcom Layer7 API Gateway

WORK EXPERIENCE (CONTINUED)

Shop Connector - Integration as a Service platform July 2017 – present
Owner and CTO

- Developing integration services for the retail sector using Apache Camel on Google Kubernetes Engine
- Architecting and developing a self-service integration platform with Go (Golang) and a Next.js frontend on Google Cloud Run
- Designing a multi-component architecture to manage customer configuration, provisioning, and runtime integration engines all written in Go
- Implementing inter-component communication using Google PubSub and gRPC, with storage in Firebase NoSQL
- Leveraging Antigravity for AI-assisted software development and tuning Agent Skills
- Provisioning Google Cloud Platform infrastructure using OpenTofu (Terraform) and Cloud Build pipelines

Stedin May 2019 – January 2022
Implementation lead API-first strategy

- Implementation lead of API-first strategy based on Azure API Management and Azure Service Bus
- The API-first strategy had direct mandate from the CIO
- Setting up and managing Azure with infrastructure-as-code
- Drafting organization-wide API conventions and guidelines
- Providing API training to 15+ development teams
- Chairing the integration/API design authority
- Developing integrations with Apache Camel on AKS Kubernetes clusters with Traefik ingress
- Consultant for integrations between Workday (HR), GIS, OutSystems, and SAP

Broekman Logistics April 2018 – May 2020
Integration architect and developer

- Designing and developing integration solutions with Talend ESB and Apache Camel on Spring Boot
- Integrations for logistics partners, carriers, and customers based on various EDIFACT messages
- Migration of the integration platform from Windows Server to RedHat Linux, configured and installed with Ansible
- Implementation of a continuous delivery pipeline with GitLab



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LANGUAGES AND FRAMEWORKS

Java	★★★★★
Spring Boot	★★★★★
TypeScript	★★★★
Angular	★★★★
Next.js	★★★★
Go	★★★★
Python	★★★★

And also: Pact, Playwright, Selenium, React, HTML/CSS, Bash, PowerShell

OTHER SKILLS

Integration architecture	★★★★★
API design	★★★★★
OpenAPI / AsyncAPI	★★★★★
SOAP and XML	★★★★★
Azure DevOps	★★★★
Kubernetes, Docker, and Helm	★★★★
Ansible	★★★★
Prometheus/Grafana stack	★★★★

And also: Azure Cloud, Google Cloud (GKE, Cloud Run, Cloud Build), AWS, EMREX, AS2, JWT, OAuth2, Maven, Antigravity, Agent Skills, OpenTofu, Terraform, Thymeleaf, IntelliJ, VS Code, Postman, Bruno, JMeter, SwaggerHub, Git, GitHub, GitLab, Redis, Hazelcast, and more

WORK EXPERIENCE (CONTINUED)

COFCO International

September 2017 – February 2019

Development Team Lead - global integration team

- Migration of JBoss Fuse and TIBCO BusinessWorks to the Azure cloud
- Installation and configuration of ActiveMQ on Microsoft Azure
- Managing the global integration team
- Designing, coordinating, and developing integration solutions for systems such as SAP (Finance and MDG) and SUN ERP
- Responsible for the integration platform based on RedHat JBoss Fuse, in combination with TIBCO BusinessWorks and Microsoft BizTalk
- Setting up an ActiveMQ network of brokers: on-premises → cloud

Essent Belgium - RWE

July 2016 – November 2017

Integration architect and developer

- Replacing a fully Microsoft-based IT landscape with a solution based on various open source products and custom work
- Developing BPM processes with Activiti/Flowable
- Designing and developing integrations between systems and external parties in the energy sector with Apache Camel, CXF, ServiceMix (Karaf), and ActiveMQ
- Installation and configuration of ActiveMQ on Amazon EC2
- Developing Odoo modules (Python) including an integration with ActiveMQ via Apache QPid Proton (AMQP)
- Integration testing with Gherkin/Cucumber

GLOMIDCO

January 2014 – June 2016

Practice leader

- As a working foreman responsible for managing a team of consultants for various clients
- Recruitment and selection, performance reviews, and guidance of personal development of employees
- Organizing company-wide knowledge sessions
- Drafting quotes in collaboration with sales
- Making agreements with clients and partners about the deployment of consultants

KLM-Air France

October 2011 – June 2016

Middleware engineer

- Responsible for the full process of designing, developing, implementing, and maintaining integration solutions according to SOA and EDA principles with TIBCO BusinessWorks, TIBCO EMS, and IBM MQ
- Worked intensively with a wide range of middleware products, concepts, and technologies
- Faced with organizational challenges of service orientation



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WORK EXPERIENCE (CONTINUED)

KLM-Air France (continued)

October 2011 – June 2016

Middleware engineer (continued)

- Experience with the impact of and trade-offs in architecture choices
- Developed standards, guidelines, and tooling for a team of approximately 30 people
- Executed initiatives such as setting up an extensive TIBCO Hawk monitoring system and an automated deployment process
- Installation of complete software stacks, updates, and fixes
- In-depth problem analyses, including code decompilation and reverse engineering

Various assignments at Enexis, KPN, and EquipIC

2010 – 2011

Developer and administrator

- Second-line support for TIBCO BusinessWorks ESB at Enexis
- Setting up and maintaining B2B communication with various partners via TIBCO BusinessConnect for Enexis
- Maintenance and deployments on the Sonic platform for clients such as KONE and Pearle Opticiens
- Designing and developing an order management system with web frontend and service architecture with Fiorano ESB and MQ for EquipIC
- Migration of Java- and C++-based integrations to TIBCO BusinessWorks at KPN

ComCom Repair

2007 – 2009

Founder and operator

- Providing support for hardware, software, and network issues to hundreds of consumers and small businesses

EDUCATION

Managing Professionals

2014

NCOI in Utrecht

TIBCO Certifications (BusinessWorks & Business Processes Studio)

2010 – 2011

TIBCO

Business IT & Management (minor: Business Process Management)

2006 - 2009

Rotterdam University of Applied Sciences



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