

KEVIN BLAUE

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Approved Canadian IEC open work permit – no sponsorship or LMIA required. Available immediately.

Backend and Cloud Software Developer with 6+ years of software development experience, including nearly 4 years full-time, and 3+ years building and operating production serverless systems on AWS. Hands-on with AWS AppSync and GraphQL (JavaScript resolvers), DynamoDB data modeling with GSIs, AWS CDK with custom constructs, and multi-account Dev/QA/Prod delivery through GitHub Actions. Experienced in identity (Auth0/OIDC), observability (Datadog, CloudWatch), and cross-team delivery, including owning freenet's first Backend for Frontend from architecture through handover, and contributing to Fielmann's first central store for refraction data from in-store eye-testing devices.

SKILLS

- **Cloud Platforms:** AWS (Lambda, API Gateway, AppSync, DynamoDB, S3, Glue, VPC, Cognito, EventBridge, SNS, SQS, SES, CloudWatch, SecretsManager, X-Ray)
- **laC:** AWS CDK (custom constructs), CloudFormation, Serverless Framework
- **CI/CD:** GitHub Actions, multi-account Dev/QA/Prod deployments, Docker
- **APIs:** GraphQL (AWS AppSync, JavaScript resolvers), REST, OpenAPI/Swagger, WebSockets
- **Programming:** TypeScript/JavaScript (Node.js), Python, Java, Kotlin
- **Frontend:** React/Next.js, Angular
- **Databases:** DynamoDB (GSI design), PostgreSQL, MySQL, MSSQL, OracleDB, SQLite
- **Identity & Security:** Auth0 (OIDC), AWS IAM, Cognito, penetration testing, GDPR-compliant logging
- **Monitoring & Testing:** Datadog, CloudWatch Logs Insights, CloudWatch Synthetics canaries, Sentry, Jest, PyTest, PHPUnit
- **AI-Assisted Engineering:** Claude Code, GitHub Copilot, Cursor

EXPERIENCE

Software Developer

11/2025 – 09/2026

freenet DLS GmbH, Büdelsdorf, Germany

- Selected as the department's sole engineering representative in the core Architecture Management Group (~10 members), contributing to company-wide standards and architecture decisions.
- Designed the company's first Backend for Frontend (API Gateway, Lambda, TypeScript) for two brands, freenet and Klarmobil, across QA and production; wrote the technical documentation and defended the concept in architecture governance. Designed for tariff-change campaigns reaching up to 500,000 customers.
- Worked directly with 2–3 frontend engineers on REST integration, monitoring, deployments, and Cloudflare/DNS routing; broke the concept down into Jira tasks with the Product Owner and enabled the team to own the BFF independently before go-live.
- Developed and maintained central Auth0-based authentication services for end customers of both brands, integrated by the customer-portal frontend team, as well as authentication for IT systems (machine-to-machine); managed scopes, permissions, and production issue triage in Sentry.

Tech stack: AWS, Lambda, API Gateway, TypeScript, REST, Auth0, Serverless Framework, Cloudflare, Sentry

Software Developer, Custom Software Engineering

11/2022 – 10/2025

Fielmann Group AG, Hamburg, Germany (Remote)

- Contributed to the Measure Data Model (MDM) backend, which for the first time stored refraction data from in-store eye-testing devices in one central place for other applications – the data foundation for Fielmann's Eye Check-up service. Supported the store rollouts in which the new devices were connected remotely to the Fielmann network.

- Contributed to six serverless AWS backends across 18 accounts (Dev, QA, Prod), with substantial contributions to four services and one container-to-Lambda migration; built reusable AWS CDK constructs and deployed infrastructure through GitHub Actions pipelines.
- Developed a production GraphQL API on AWS AppSync using JavaScript resolvers – simple sorting and filtering directly in the resolver, AWS Lambda for complex logic – secured via OIDC with Auth0 and connected through VPC private connectivity. Helped build the hourly AWS Glue pipeline feeding this consent-gated API, which processed ~1 million Austrian and Swiss store-order records in six months and made in-store purchases visible in customers' online accounts.
- Designed DynamoDB data models for production services, using Global Secondary Indexes for additional access patterns (e.g. customer lookup by email alongside customer ID).
- Maintained 150+ CloudWatch Synthetics canary end-to-end tests for one API and designed a retry mechanism for async timing issues, reducing failed test runs that required a manual workflow restart by about 80% and shortening overall pipeline runtime.
- Introduced Datadog and CloudWatch monitoring across all six backends in QA and production, including dashboards, alerting and incident-response processes, linking metrics with logs for faster incident investigation.
- Led the Apple Wallet part of a digital customer card system (Apple/Google Wallet): full pass lifecycle, device registration and update callbacks, CORS and security controls, and synthetic test coverage.
- Strengthened quality and security through automated tests, penetration testing and GDPR-compliant logging; onboarded two engineers and mentored a third through the company buddy program.

Tech stack: AWS, TypeScript, CDK, Lambda, API Gateway, AppSync, GraphQL, DynamoDB, Glue, Datadog, GitHub Actions, Jest

Working Student, Full-Stack Developer

05/2019 – 07/2022

1&1 Versatel Deutschland GmbH, Flensburg, Germany

- Built Angular frontends integrated with RESTful backend endpoints (Laravel/PHP, C#) for internal and customer-contact support systems.
- Developed data-transfer workflows and reporting on relational databases (MSSQL, OracleDB) for support and business stakeholders.
- Contributed across frontend, backend and automated testing (PHPUnit) while completing a B.Sc. in Applied Computer Science.

PERSONAL PROJECTS

- Bluestack (bluestack.cloud): self-hosted backend with JWT authentication; PostgreSQL in production, SQLite in development.
Tech stack: Go, Java, TypeScript, Next.js
- Raspberry Pi home lab: two devices running self-hosted services (Pi-hole, a WebP image converter, an AI agent).

LANGUAGE

- English (C1), German (native), French (basic)

EDUCATION

B.Sc. Applied Computer Science

2018 – 2022

Hochschule Flensburg, Germany – Specialization: Human-Computer Interaction

B.A. Sociology

2013 – 2017

Georg-August University Göttingen, Germany