

Eduardo Hernacki

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EXECUTIVE SUMMARY

Freelance Software Architect and Principal Engineer with 10+ years of experience designing and implementing scalable SaaS products, cloud-native systems, and modern software architectures. I combine hands-on software development (Elixir, Rust, TypeScript, Python) with cloud strategy (AWS), DevOps practices, and team leadership to help organizations build resilient systems that align technical excellence with business goals.

I am known for bridging product vision with engineering execution, mentoring teams, and delivering impactful solutions in complex domains.

Available for Freelance/Contract Projects in Germany and Europe (remote or hybrid).

TECHNICAL SKILLS

Software Architecture & Development: Elixir, Rust, TypeScript, Node.js, Python, SQL, Bash, HTML, CSS,DDD, TDD, BDD

Cloud & Platform Engineering: AWS (CDK, CloudFormation, API Gateway, S3, DynamoDB, Lambda, Kinesis, RDS, Aurora, IAM, EC2, ELB, EFS, EKS, ECS, Fargate, CloudFront, Route 53, Secrets Manager, Amplify, Landing Zone and more), Serverless, Kubernetes, Terraform, Helm, Pulumi, Docker

Scalable SaaS Systems: event-driven architectures, compliance-ready systems, resilient and secure design

Ecosystems & Tools: Git, GitHub, GitLab, Azure DevOps, Elastic Stack, Datadog, New Relic, Prometheus, Grafana, OpenAPI, OAuth

Methodologies: Domain-Driven Design (DDD), Trunk-Based Development, Continuous Delivery, Team Topologies, Scrum, Kanban

EXPERIENCE

Freelance Software Architect & Principal Engineer

Feb 2024 – Present

Self-Employed

Munich, Germany

- **Cloud Architecture & Modernization:** Design and implementation of AWS-based SaaS solutions (multi-account, serverless, containerized) with emphasis on scalability, resilience, and compliance.
- **Software Architecture & Development:** Delivery of SaaS platforms, backend services, and full-stack applications in TypeScript, Elixir, Rust and Python, ensuring maintainable and testable architectures (DDD, TDD).
- **Team Enablement & Leadership:** Advisory on AWS strategy, DevOps integration, and engineering practices, complemented by team enablement through code reviews, workshops, and mentoring.
- **Business Alignment:** Bridging of product vision with engineering execution through process streamlining and guidance on sustainable technology strategy.
- **Technologies Used:** AWS (CDK, API Gateway, S3, DynamoDB, Lambda, EKS, ECS, Fargate), TypeScript, Node.js, Rust, Elixir, GitHub, Claude

Elixir & Erlang Meetup Munich Organizer

Aug 2024 – Present

Volunteer

Munich, Germany

- Organization and facilitation of community events to foster knowledge sharing around the Elixir, Erlang, and Gleam ecosystems, growing the BEAM community in Munich and enabling peer learning among engineers.

Lead Platform Engineer (Freelance Contract)

Nov 2024 – Aug 2025

Client from the Health Services Industry

Remote, Germany

- **Compliance & Resilience:** Designed and rolled out a multi-account AWS Backup & Recovery strategy (AWS Backup, Slack integration) with cross-region replication in Europe; implemented software supply-chain security with automated SBOM ingestion (GitHub Actions, Trivy Operator, Dependency-Track) and defined patching workflows for EKS/EC2 workloads.
- **Event-Driven Architecture:** Led on-site workshops for team leads and wrote internal guidelines on event-driven communication patterns, enabling consistent adoption across product teams.
- **Application & Platform Modernization:** Defined the migration strategy from legacy to next-generation EKS clusters; helped rationalize 100+ microservices to balance team autonomy with operational efficiency; streamlined Terraform code to reduce complexity and cost.
- **Technologies Used:** AWS (Organizations, Landing Zone, IAM Identity Center, Backup, Security Hub, S3, Lambda, RDS, EKS, ECR, SQS, SNS, Bedrock), Kubernetes, Helm, Docker, Terraform, PostgreSQL, Python, Elixir, GitHub, Trivy, Dependency-Track, SBOM, Prometheus, Loki, Grafana, EventCatalog

Cloud Consultant (Freelance Contract, AWS CDK Focus)

Mar 2024 – Oct 2024

Client from the Credit Bureau Industry

Remote, Germany

- **Cloud Modernization:** Migrated a SaaS product (Java Spring Boot, React) from Terraform to AWS CDK, making the infrastructure more maintainable and standardized.
- **Team Enablement:** Guided a team of 4 developers to take full ownership of the application lifecycle through CDK best practices, code reviews, and pair programming.
- **Architecture Advisory:** Supported Platform and Product teams with AWS CDK adoption and infrastructure design, strengthening delivery sustainability and productivity.
- **Application Migration:** Improved the maintainability and resiliency of a TypeScript serverless application while extending its functionality during a cross-account migration.
- **Technologies Used:** AWS (CDK, API Gateway, S3, Lambda, RDS, ECS, Fargate), TypeScript, Node.js, Terraform, PostgreSQL, OpenAPI, OAuth, GitHub

Lead Software Engineer

Aug 2022 – Jan 2024

SEMA GmbH

Wildpoldsried, Germany

- Led a team of 4 Software Engineers in building a new SaaS product for the Timber Construction industry, taking on responsibilities as Architect, Developer, and Scrum Master to ensure steady progress and delivery.
- Worked closely with stakeholders and product owners to clarify and prioritize requirements, guiding the team toward pragmatic and high-quality solutions.
- Built an event-driven file processing pipeline (S3 Events + Lambda) that automated file handling and streamlined system processing.
- Played a key role in the hiring process, actively participating in the selection of technical and leadership roles.
- Orchestrated comprehensive pair programming sessions and training programs on AWS, equipping the Engineering team with valuable skills and knowledge.
- **Technologies Used:** AWS (CDK, API Gateway, S3, DynamoDB, Lambda, ECS, Fargate), TypeScript, Node.js, Rust, OpenAPI, OAuth, Azure DevOps

Principal Engineer

Nov 2021 – Jul 2022

PPRO Holding GmbH

Munich, Germany

- Supported reviews of Cloud Governance and Compliance in AWS, contributing expertise in security, scalability, and regulatory requirements.
- Designed and delivered an AWS Training Program in collaboration with the AWS Technical Customer Manager, used across the engineering organization.
- Contributed to the hiring of DevOps/Cloud Engineers and Team Leads, ensuring strong technical and cultural fit.
- Advocated for serverless adoption within engineering teams and represented the approach in cross-team technical discussions.
- Implemented a multi-account setup using AWS CDK and developed a robust CI/CD pipeline for efficient and reliable deployment of application changes.
- Delivered a serverless backend (CDK, TypeScript, AWS Lambda) for a UK merchant's transaction portal.
- **Technologies Used:** AWS (CDK, API Gateway, Lambda, Kinesis, EKS, ECS, Fargate), Serverless, TypeScript, JavaScript, Node.js, Python, Docker, Terraform, Kubernetes, Helm, Docker, Elasticsearch, GitLab, Okta, OAuth, Middy.js

Lead Cloud Consultant

Aug 2019 – Oct 2021

tecRacer GmbH & Co. KG

Munich, Germany

- Delivered technical and strategic consulting for AWS solutions across industries in Germany and Austria, including projects with regulatory requirements.
- Supported pre-sales as a Solutions Engineer and contributed to hiring new consultants.
- Built a serverless application with a state machine architecture, including PDF generation and email delivery (API Gateway, Lambda, DynamoDB, Elasticsearch, Terraform).
- Led a migration from MS SQL Server to Amazon Aurora MySQL Serverless for SAP Commerce, resolving Unicode and performance issues while optimizing monitoring with New Relic.
- Directed the migration of a VMware Workspace ONE infrastructure to AWS Cloud for a German insurance company, including VM conversion to EC2, Jenkins pipelines, and an active-active multi-region setup with Route 53 for 300k+ simultaneous device connections.
- **Technologies Used:** AWS (CDK, API Gateway, Cloud Migration, Lambda, DynamoDB, Aurora, EKS, ECS, Fargate), VMware, MS-SQL, Jenkins, TypeScript, JavaScript, Node.js, Python, Docker, Terraform, Kubernetes, Elasticsearch

Senior DevOps Engineer

Jan 2018 – Jul 2019

Commerce Connector, now PriceSpider

Stuttgart, Germany

- Maintained platform reliability, security and performance for global e-commerce SaaS.
- Implemented Prometheus for KPI monitoring and enhanced existing log management with Splunk.

- Supported Quality and Data Engineering teams with AWS Lambda and containerized infrastructure.
- **Technologies Used:** AWS (Lambda, Fargate, EC2, RDS, S3, CloudFront), Serverless Framework, Prometheus, Grafana, Splunk, Docker, Python, Node.js

AWS Cloud Engineer

Mar 2017 – Dec 2017

Nuvme

Blumenau , Brazil

- Led multiple infrastructure migration projects to AWS, covering Web and ERP systems.
- **Technologies Used:** AWS (EC2, S3, IAM, Route 53, RDS), Docker, Grafana, Elasticsearch, Linux (RHEL, Ubuntu), MySQL, Python

Linux & Open Source Consultant

Jan 2014 – Mar 2017

Indyxa Group (now)Flowti

Blumenau , Brazil

- Delivered infrastructure, monitoring and log management consulting for mission-critical environments, improving reliability and security.
- **Technologies Used:** Linux (RHEL, CentOS), Nagios, Graylog, Elasticsearch, VMware, Oracle DB, Python, Bash

IT Support Analyst

Aug 2012 – Jan 2014

QuickSoft Sistemas de Informações

Blumenau , Brazil

- Provided enterprise infrastructure support, including data protection and automation of backup monitoring.
- **Technologies Used:** IBM TSM, Linux, VMware, Exchange Server

IT Support Technician

Oct 2008 – Aug 2012

Advance Solution

Blumenau, Brazil

- Delivered IT infrastructure support for SMB clients, covering Windows Server, Active Directory, and networking.
- **Technologies Used:** Windows Server, Active Directory, Exchange, Hyper-V, Trend Micro

EDUCATION

Universidade Regional de Blumenau

Computer Science Studies

Blumenau, Brazil

Jul 2015 – Jul 2016

COMMUNICATION SKILLS

Languages: Portuguese (native), English (fluent), German (advanced / professional working proficiency)