Eduardo Hernacki

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EXECUTIVE SUMMARY

Results-driven Software Engineer with extensive experience in Development, Cloud and DevOps, known for exceptional soft skills and a strong focus on AWS Cloud. Demonstrated expertise in leading teams to deliver impactful and comprehensive solutions while fostering collaboration and innovation, with a proven track record of guiding teams through complex SaaS product development.

TECHNICAL SKILLS

Programming Languages: TypeScript, Node.js, Rust, Elixir, Python, SQL, Bash, HTML, CSS
Methodologies: Domain-Driven Design (DDD), Behavior-Driven Development (BDD), Test-Driven Development (TDD), Trunk-Based Development, Continuous Integration, Continuous Delivery, Team Topologies, Scrum, Kanban
Ecosystems & Tools: AWS (CDK, CloudFormation, API Gateway, S3, DynamoDB, Lambda, Kinesis, RDS, Aurora, IAM, EC2, ELB, EFS, EKS, ECS, Fargate, CloudFront, Route 53, Secrets Manager, Amplify, Storage Gateway, Landing Zone and more), Serverless, Pulumi, Terraform, Git, GitHub, GitLab, Azure DevOps, Docker, Kubernetes, Elastic Stack, MySQL, PostgreSQL, Datadog, New Relic, REST, OpenAPI, OAuth, Node.js

EXPERIENCE

Independent Cloud Consultant and Software Engineer
Self-Employed — Feb 2024 – Present — *Munich, Germany*

- Expert guidance in AWS Cloud Development, Modernization and Migration, including DevOps and Architecture
- Development of backend services and full-stack web applications
- General guidance on formulating technical strategies, streamlining development processes and on bridging the gap between technical and product teams
- **Technologies Used**: AWS (CDK, API Gateway, S3, DynamoDB, Lambda, EKS, ECS, Fargate), TypeScript, Node.js, Rust, Elixir, GitHub

Elixir & Erlang Meetup Munich Organizer
Volunteer — Aug 2024 – Present — *Munich, Germany*

- Re-igniting and fostering the BEAM community in Munich to share knowledge and insights about all things related to the Elixir, Erlang and Gleam ecosystem

Software & Platform Engineer (Freelance Contract)
Client from the Health Services Industry — Nov 2024 – Present — *Remote, Germany*

- Advised in and implemented security and compliance topics related to AWS, Infrastructure-as-Code (IaC), Software Delivery and Security, allowing the client to pass their audit with a high score
- Lead the migration and modernization of 100+ Microservices in Ruby and Elixir from the legacy EKS infrastructure to a more modern and secure next-gen EKS setup in a different set of AWS Accounts
- Maintained and enhanced the reliability and cost of the existing AWS and EKS Infrastructure
- Advised the Product Teams in terms of Software Architecture, CI/CD, Security and Development Practices
- **Technologies Used**: AWS (Organizations, Landing Zone, IAM Identity Center, Backup, Security Hub, S3, Lambda, RDS, EKS, ECR, SQS, SNS), Kubernetes, Docker, Terraform, PostgreSQL, Python, Elixir, GitHub, Trivy, Dependency-Track, SBOM, Prometheus, Loki, Grafana

AWS & CDK Consultant (Freelance Contract)
Client from the Credit Bureau Industry — Mar 2024 – Oct 2024 — *Remote, Germany*

- Migrated and improved a critical Java Spring Boot and React application managed by Terraform to CDK
- Enabled the team of 4 developers to own the entire application life-cycle using CDK via Code Reviews, Pair Programming and
- Advised both Platform and Product Teams in terms AWS, CDK and development practices
- Migrated a Serverless-based application written in TypeScript between AWS Accounts while improving and extending the functionality of it
- **Technologies Used**: AWS (CDK, API Gateway, S3, Lambda, RDS, ECS, Fargate), TypeScript, Node.js, Terraform, PostgreSQL, OpenAPI, OAuth, GitHub

Lead Software Engineer
SEMA GmbH — Aug 2022 – Jan 2024 — *Wildpoldsried, Germany*

- Led a team of 4 Software Engineers in developing a cutting-edge SaaS product for the Timber Construction industry, while assuming among others the roles of Architect, Developer and Scrum Master

- Fostered close collaboration with stakeholders and product owners to identify, understand and prioritize product requirements, providing guidance and support to the team in delivering pragmatic and high-quality solutions
- Engineered an event-driven file processing pipeline for a file management service using S3 Events and Lambda functions to enable efficient handling of new files, ensuring streamlined processing within the system
- 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 Software Engineer   Nov 2021 – Jul 2022
PPRO Holding GmbH   *Munich, Germany*

- Supported the organization in reviewing Technical Cloud Governance and Compliance in the AWS Cloud, leveraging expertise in AWS services, security protocols, and compliance frameworks
- Designed and developed a comprehensive AWS Training Program in close collaboration with the AWS Technical Customer Manager, catering to the needs of the entire Engineering organization
- Co-designed and played a key role in the hiring process for DevOps/Cloud Engineers and Team Leads, actively contributing to the selection of highly skilled professionals who align with the organization's goals and values
- Drove the adoption of a serverless architecture within the team, serving as the primary advocate and representative in discussions with Engineering Managers and Principal Engineers
- Implemented a multi-account setup using AWS CDK and developed a robust CI/CD pipeline for efficient and reliable deployment of application changes
- Led serverless backend implementation for a major UK merchant's transaction portal using TypeScript in the context of Serverless on AWS
- **Technologies Used**: AWS (CDK, API Gateway, Lambda, Kinesis, EKS, ECS, Fargate), Serverless, TypeScript, JavaScript, Node.js, Python, Docker, Terraform, Kubernetes, Elasticsearch, GitLab, Okta, OAuth, Middy.js

Lead Cloud Consultant   Aug 2019 – Oct 2021
tecRacer GmbH & Co. KG   *Munich, Germany*

- Provided technical and strategic consulting services for AWS Solutions to clients across Germany and Austria, spanning multiple industries with specific regulatory requirements
- Continuously participated in pre-sales activities as a Solutions Engineer and actively contributed to the company's hiring process for new consultants
- Implemented a serverless application with a state machine architecture, incorporating PDF generation and email sending functionalities using AWS API Gateway, Lambda, DynamoDB, Elasticsearch, and Terraform
- Led the migration from MS SQL Server to Amazon Aurora MySQL Serverless for SAP Commerce instances using AWS Database Migration Service for a distinguished German company focused on the Japan market. Accomplished the project within 4 months, resolving Unicode and performance issues while optimizing New Relic dashboards
- Migrated a VMware Workspace ONE infrastructure to AWS Cloud for a renowned German insurance company, serving as the key point of contact. Orchestrated the conversion of VMs to EC2 instances, implemented self-service Jenkins pipelines, established an active-active Multi-Region setup with Route53, enabling a highly scalable "access gateway" capable of efficiently handling 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*

- Responsible for maintaining the company's platform reliability, security and performance
- Implemented Prometheus to provide effective business KPI monitoring, alongside the continuous enhancement of the existing log management based on Splunk
- Provided continuous Architecture & Infrastructure support for the Quality and Data Engineering teams' projects, using containers, AWS Lambda and related monitoring
- **Technologies Used**: AWS (Lambda, Fargate, EC2, RDS, S3, CloudFront), Serverless Framework, Rundeck, GitLab, Prometheus, Grafana, Splunk, Docker, Python, JavaScript, Node.js

AWS Cloud Engineer   Mar 2017 – Dec 2017
Nuvme   *Blumenau , Brazil*

- Worked in several infrastructure migration projects to AWS - from scalable web applications to legacy and ERP applications - using my expertise in Linux, web applications, monitoring and security in the Cloud context

- **Technologies Used**: AWS (EC2, S3, IAM, Route 53, CloudFront, RDS, CloudWatch), Zabbix, InfluxDB, Grafana, Graylog, Elasticsearch, Docker, RHEL, CentOS, Ubuntu, Plesk, cPanel, Apache, NGINX, Python, Bash, PHP, Tomcat, MySQL

Linux & Open Source Consultant   Jan 2014 – Mar 2017
Indyxa Group, now Flowti   *Blumenau , Brazil*

- Provided infrastructure, monitoring and log management consulting, improving monitoring capabilities, developing custom monitoring plugins, and implementing critical infrastructure projects, resulting in enhanced reliability, performance, and security for mission-critical environments, impacting millions of customers and facilitating financial transactions worth millions of dollars

IT Support Analyst   Aug 2012 – Jan 2014
QuickSoft Sistemas de Informações   *Blumenau , Brazil*

- Provided comprehensive enterprise infrastructure support, including data protection and development of backup monitoring and automation tools

IT Support Technician   Oct 2008 – Aug 2012
Advance Solution   *Blumenau , Brazil*

EDUCATION

Universidade Regional de Blumenau   Blumenau, Brazil
Bachelor of Science in Computer Science   *Jul 2015 – Jul 2016 (Incomplete)*

COMMUNICATION SKILLS

Languages: Portuguese, English, German