

Michal Pasierbski

Zug, Switzerland

(+41) 762953884

mpasierbski@gmail.com

<https://www.linkedin.com/in/mpasierbski/>

Professional Summary

Senior Software Engineer and Technical Lead with over 14 years of experience architecting distributed systems, cloud infrastructure, and scalable platform integrations. Proven track record at top-tier tech companies (Google, AWS) driving **ecosystem connectivity** and **AI-driven solutions**. Expert in modern web architectures (Angular, React, TypeScript), **high-scale traffic management**, and leading cross-functional teams to deliver critical business insights.

Technical Skills

- **Architecture & Cloud:** AWS, GCP, Terraform, Docker, Cloudflare Workers, CI/CD.
 - **Languages:** JavaScript, TypeScript, Go, Ruby, Java, Kotlin, Dart, Python
 - **Data:** GraphQL, PostgreSQL, Redis, MongoDB.
 - **Web:** Angular, React, Node.js, Vue.
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Professional Experience

Google | Zurich, Switzerland *Software Engineer* | Nov 2021 – Present

- **Merchant Center Next:** Developed the Product Diagnostics frontend for the revamped Merchant Center Next, delivering critical insight tools for merchants to monitor product health.
- **Business Manager:** Led the technical design and implementation of user management (Authentication & Authorization) for "Business Manager," a central hub allowing merchants to manage first and third-party applications. Launched to >300k MAU
- **Ecosystem Integrations:** Currently responsible for integrating the Merchant ecosystem with major external and internal platforms, including Shopify, YouTube Shopping, Google Ads, and Google Business Profile.
- **AI Support Agent (20% Project):** Designed and developed an AI-powered agent to assist G-Tech support teams, automating >70% of responses to technical customer inquiries.

- **Tech Stack:** Java, Dart, Angular, Kotlin, SASS, ADK (Agent Development Kit).

Amazon Web Services (AWS) | Berlin, *Software Development Engineer II* | Aug 2020 – Oct 2021

- **Testing Infrastructure (AWS CX):** Led a key initiative within the central AWS Customer Experience (CX) team to simplify end-to-end testing (functional, canary, integration) for AWS Console product pages.
- **Plug-n-Play Framework:** Delivered a plug-and-play testing solution based on the Webdriver protocol, enabling partner teams to seamlessly adopt automated testing for their specific console applications.
- **Internal Tools:** Contributed to the development of a centralized feature flagging solution, empowering internal teams to manage feature rollouts and experiments effectively.
- **Tech Stack:** JavaScript, TypeScript, React, WebdriverIO, AWS Services.

EF Education First | Zurich, Switzerland *Lead Software Engineer* | Jul 2019 – Jul 2020

- **Traffic Management:** Designed the integration and migration path for Cloudflare Workers to handle all EF product page traffic (~13M requests/day). Served as the technical point of contact with Cloudflare and provided hands-on leadership during implementation.
- **Team Leadership:** Officially led a 4-person "platform" team dedicated to serving internal product teams, specifically focusing on infrastructure planning and the setup of CI/CD pipelines.
- **Design System:** Partnered with the EF Global Creative Studio to implement a React-based component library, establishing a design system that was subsequently adopted throughout the company.
- **Tech Stack:** TypeScript, Go, AWS, Terraform, Cloudflare, React, GraphQL.

R3PI | Zurich, Switzerland *Software Development Engineer / Front-end Lead* | Sep 2018 – Apr 2019

- **Frontend Guild Lead:** Served as the primary subject matter expert for frontend engineering. Collaborated with other leads to make foundational technical decisions and led a 3-person team developing a CRM client application.
- **R&D & Prototyping:** Spearheaded R&D initiatives, specifically handling the cross-platform mobile development for an Augmented Reality (AR) navigation app prototype.
- **Performance Optimization:** Audited and optimized production builds, reducing overall bundle size by 25% and implementing code splitting strategies.
- **Architecture:** Optimized GraphQL middleware by introducing data-loaders (caching), which significantly reduced roundtrips to external services.
- **Tech Stack:** TypeScript, JavaScript, Node.js, React, GraphQL, SASS.

EF Education First | Lucerne, Switzerland *Senior Front-end Engineer* | Dec 2017 – Aug 2018

- **DevOps & Standards:** Unified team's development environments by introducing and configuring Docker. Set standards for unit (Jest) and integration (Puppeteer) testing.
- **Performance:** Introduced code splitting and asset name hashing to utilize long-term caching, resulting in significant initial load performance increases.
- **Project:** Developed a Proof of Concept (POC) E-commerce website.
- **Tech Stack:** React, Vue.js, JavaScript, Node.js, Docker, SASS.

IS Engineering | Zug, Switzerland *Chief Software Architect / Ruby on Rails Developer* | Jan 2014 – Dec 2017

- **System Design:** Designed and developed a distributed Industry 4.0 factory productivity tracking system for multi-factory glass plants.
- **Global Deployment:** Collaborated with clients and partners globally to provision and commission solutions at plants in Ukraine, Brazil, Turkey, Germany, and France.
- **Tech Stack:** Ruby on Rails, Ruby, PostgreSQL, MongoDB, Docker, Vue.js, Highcharts, Node.js.

PGS Software S.A. | Wrocław, Poland *JavaScript Developer* | Sep 2013 – Dec 2013

Sharewise GmbH | Wrocław, Poland *Ruby on Rails / JavaScript Developer* | Feb 2011 – Sep 2013

CMS Mirage sp. z o.o. | Wrocław, Poland *Java (SE) Developer* | May 2009 – Sep 2010

Education

Higher School of Information Technology and Management "COPERNICUS" *Computer Science* | 2007 – 2009

University of Wrocław *Archeology* | 2001 – 2003

Certifications

- **AWS Certified Solutions Architect – Associate** (Amazon Web Services)
 - *Issued Dec 2019*
- **Mobile Web Specialist** (Google Developers)
 - *Issued Jan 2019*