`README.md`

Filip Szalewicz

Principal Software Engineer | Data Architecture & AI Leader
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Consulting: solidcage.com Macomb, MI | Open to Remote Work

Summary

Software engineering leader with 20+ years of experience, including 9+ years in senior roles, architecting secure, scalable platforms for SaaS, fintech, and regulated industries. Expert in cloud data lakes, ELT pipelines, and data driven solutions that reduced costs by $2M+ annually and generated $10M+ in new revenue. Skilled in GCP, AWS, SQL, Python, Spark, and big data ecosystems. Proven record of building and mentoring teams of 50+ engineers, ensuring compliance (HIPAA, CCPA), and delivering enterprise-scale analytics in weeks instead of months. Passionate about pragmatic AI adoption to drive business growth.

Key Capabilities

- **Data Architecture Leadership** – Designed petabyte-scale data lakes & warehouses; reduced retrieval cycles from weeks to days.
- **Data Governance & Compliance** – Delivered secure solutions meeting HIPAA, CCPA, and enterprise-grade privacy standards.
- **Cloud & Big Data Expertise** – Led GCP/AWS migrations; optimized spend by 25%+; deployed ML for predictive analytics.
- **Engineering Leadership** – Directed and mentored 50+ engineers; built agile/DevOps practices accelerating delivery.
- **Innovation & Industry Presence** – Presented at Dreamforce & O'Reilly AI; launched SaaS solutions showcased to 150K+ attendees.

Professional Experience

Solid Cage Inc – Macomb, MI
Principal Consultant & SaaS Founder
Sep 2009 – Present

- Delivered 50+ SaaS/data-driven solutions for small & mid-sized businesses; achieved 95%+ client retention.
- Built and maintained **Data Reaktor (datareaktor.ai)**, a SaaS platform for AI-driven lead intelligence and personalized outreach, overseeing both engineering (data pipelines, automation) and business development (go-to-market, acquisition).
- Architected and scaled analytics/data pipelines using Python, Airflow, GCP (BigQuery, Data Fusion, Vertex AI), AWS, and Azure.
- Designed a large image catalog system for Mayo Clinic on Azure, driving $1M+ revenue.
- Focus Areas: AI-driven outreach, workflow automation, analytics platforms, SaaS architecture.

Shoptelligence – Ann Arbor, MI
Vice President of Engineering
Feb 2022 – Aug 2025

- Architected **15+ TB data lake & warehouse**, cutting analytics retrieval from 3+ weeks to 1 day.
- Built ELT pipelines (Airflow, Spark, Data Fusion, BigQuery) boosting data integration by 75% and supporting $1M+ ARR growth.
- Established data quality/CI-CD standards (GitLab) reducing support tickets by 500%.
- Expanded omni-channel SaaS with recommender systems for digital/in-store campaigns.
- Mentored 5 engineers, implemented EOS framework, achieved profitability in <3 years.

West Monroe Partners – Chicago, IL
Senior Architect
Sep 2021 – Feb 2022

- Delivered data strategy for 6+ private equity clients, designing lakes/warehouses aligned to regulated standards.
- Created MDM and advanced analytics frameworks, ensuring compliance and scalability.
- Achieved 115% utilization; coached consultants in SQL, Python, cloud architecture.

Rocket Mortgage (Quicken Loans) – Detroit, MI
Team Leader, Data Science / Principal Engineer / Senior Engineer
Mar 2017 – Aug 2021

- Architected **petabyte-scale data lake & ELT pipelines** (AWS Glue, Spark, Cloudera), cutting costs by $1M+.
- Led enterprise **data fabric & MDM integrations**, boosting compliance and loan volume 10%+.
- Operationalized ML platforms on AWS (SageMaker, Lambda, Athena).

- Mentored **50+ engineers** on Spark, AWS, CI/CD; awarded "Automate All the Things" (2020).

360ofme Inc – Royal Oak, MI
Chief Technology Officer
Mar 2016 – Mar 2017

- Built a secure data platform with REST APIs, MongoDB, PostgreSQL; demoed at **Dreamforce 2016**.
- Integrated AWS, Salesforce, IBM Watson APIs; ensured HIPAA-aligned privacy.
- Managed offshore teams; implemented CI/CD, real-time security monitoring, and unit-tested delivery.

Technical Skills

Languages: Python, SQL, Java, JavaScript, Node.js, C#
Cloud Platforms: AWS (EC2, Glue, S3, Lambda, SageMaker, Athena, Quicksight), GCP (BigQuery, Data Fusion, Vertex AI, Airflow, Looker, Kubernetes), Azure (Cosmos DB, Web Apps)
Data Technologies: Data Lakes, Data Warehousing, ELT/ETL (Airflow, Data Fusion, Spark), Hadoop, Hive, NoSQL (MongoDB, PostgreSQL, DynamoDB), SQL Server, MySQL
DevOps & Tools: Git, Jenkins, GitLab, Docker, Kubernetes, Terraform, Maven, CircleCI, Azure DevOps, TDD, Agile/Scrum
Analytics & BI: Tableau, Looker Studio, Power BI, semantic layer design
AI/ML: AutoML, H2O, SageMaker, Vertex AI, ML pipelines at scale
Compliance: HIPAA, CCPA, GDPR-aligned data practices

Patents

- [System, Method, and Apparatus for Conducting Secure Online Monetary Transactions](#)
- [Optical Disc Design Patent](#)

Certifications

- AWS Certified Associate Developer (2018)
- AWS Certified Solutions Architect Associate (2018)
- Microsoft Certified Professional: Requirements & Solution Architecture (2000)

Education

- **University of Phoenix** - Bachelor's in Information Systems Management (incomplete)
- **Oakland Community College** - Associate's in Computer Information Systems
- Ongoing Professional Development - Udemy, acloud.guru (Cloud, ML, Data Engineering)

Public

- Github Profile: https://github.com/fszale
- Published Thoughts : https://medium.com/@filipszalewicz
- YouTube Channel: https://www.youtube.com/@Control-The-Outcome
- Consulting Business: https://www.solidcage.com