Samuel Vasco

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SUMMARY

Senior Software Developer with 5+ years of experience specializing in distributed systems, cloud architecture and full stack development. Proven track record of architecting scalable solutions that drive business growth, including a real estate SaaS platform that acquired 400+ clients and microservices handling over 80K daily users. Expert in AWS and database optimization with strong leadership experience in migrations and team mentoring, focused on delivering measurable business outcomes through technology solutions

EXPERIENCE

Senior Software Engineer — Berlin, Germany
Sennder — *Jul 2022 - Dec 2024*

- Led the migration of a monolithic application to a standalone microservice architecture, improving deployment time by 40% and reducing latency by 200ms, ensuring seamless performance for over 80K daily users
- Developed 6 microfrontends, leveraging module federation to handle thousands of daily visits, enhance user experience and reduce deployment time
- Oversaw the migration of several services from AWS ECS to EKS, achieving a 20% cost reduction by optimizing autoscaling policies and resource utilization
- Conducted 60+ technical interviews for various roles, covering topics as frontend, backend and system design

Software Engineer — Madrid, Spain
Atlas Real Estate Analytics — *Jan 2020 - Jul 2022*

- Architected a distributed web crawling system, extracting over 1M real estate listings per day
- Designed data collection pipelines and advanced visualizations aggregating over 40M data points
- Launched a real estate SaaS for the Spanish market, securing 400+ B2B clients within a year
- Orchestrated the automatic deployment, testing and monitoring of the system, resulting in over 99% uptime

Data Analytics and Database Management Intern — Madrid, Spain
UC3M University — *Jan 2018 - Dec 2019*

- Created and improved database schemas and indexes to boost performance, and automated the creation of 20+ reports
- Extracted hundreds of metrics and measurements for decision making and performance monitoring

EDUCATION

UC3M University — Madrid, Spain
Bachelor of Science in Finance, Minor in Data Science — *2017 - 2020*

Johns Hopkins University — Remote
Data Science Specialization — *2019*

TECHNICAL SKILLS

Languages: Typescript, Python, Javascript, Node.js, Bash, SQL, HTML, CSS
Databases: PostgreSQL, MySQL, Redis, DynamoDB, S3, MongoDB, Cassandra, Snowflake, ElasticSearch, Hadoop
Frameworks: React, Vue, NestJS, Fastify, Express, FastAPI, Django, Next.js, Tailwind CSS
Data: Apache Kafka, Flink, Spark, Pandas, Scikit-learn, Tensorflow
Devops: IaC, Terraform, Pulumi, CloudFormation, Kubernetes, Docker, Linux, Karpenter, KEDA, Serverless
Testing & Monitoring: Jest, Cypress, Playwright, Pytest, Datadog, Sentry, CloudWatch, Prometheus, Grafana

SOFT SKILLS

Languages: English, French, Spanish, German
Software architecting: Domain driven design, technical design documents, data driven decision making, layered architectures, SOLID principles
Engineering Leadership: Detailed code reviews, agile methodology, mentorship and knowledge sharing, pair programming, continuous improvement, feature ownership and delegation
Strategic Skills: Proactive product ownership and team coordination. Translation of business needs and client perspectives into actionable technical requirements. Attention for detail and high quality standards