

# Jonathan Schweder

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Highly skilled software engineer with diverse IT background and a track record of success in improving customer and user experiences through the use of customer service concepts. Strong analytical and problem-solving skills, proficient in programming languages and virtualization technologies, and skilled at communicating with technical and non-technical stakeholders. Seeking a Data Scientist, Data Engineer, Machine Learning Engineer, or Data Analyst role to utilize my skills and experience in data analysis and data-driven decision making.

## EXPERIENCE

### System's Development Engineer

Mar 2020 - Present

Amazon Web Services, Dublin

- Decreased annual EC2 costs by 20% through optimization efforts for multiple internal teams.
- Forecasted 2022 infrastructure costs and usage by product level for high-impact teams, using historical data and input from key stakeholders. Tracked teams and engaged with those deviating from the plan, being able to stay 3% under the forecast by the end of the year.
- Successfully implemented automation of infrastructure deployment and setup for internal platform, resulting in a 90% reduction of manual steps for delivering compute capacity to teams.
- Responsible for the daily maintenance and management of the internal workflow engine, which handles hundreds of thousands of network devices and integrates with hundreds of internal services.

### Software Engineer

Feb 2019 - Mar 2020

Pantacor, London

- Developed an IoT management platform for customers to build, deploy, and monitor remote fleets.
- Constructed a centralized monitoring, tracing, and logging system for a multi-microservices architecture, resulting in a 20% reduction in time to mitigate issues and a 90% improvement in time to detect issues.
- Effectively managed and maintained multiple Kubernetes clusters in a multi-cloud environment, collaborating with other team members to deploy and manage applications, resulting in improved reliability and scalability of cloud-based systems.

### System's Analyst

Jul 2018 - Feb 2019

Eventials, Blumenau

- Designed and deployed an embedded Linux application for live streaming of ultrasound exams in dozens of clinics and hospitals, receiving positive feedback from customers.
- Contributed to the development of live streaming and video on demand products for enterprise customers, improving quality and functionality, resulting in increased customer satisfaction and gaining valuable knowledge of video streaming technologies and enterprise customer needs.
- Expanded product offerings to customers through the development of integrations with various business partners, demonstrating strong understanding of products and technologies and utilizing excellent communication and collaboration skills to negotiate mutually beneficial agreements, resulting in increased customer satisfaction and revenue growth.

## Software and Web Developer

Sep 2014 - Jul 2018

Bludata Software, Blumenau

- Developed a variety of web applications for government agencies, contractors, driving schools, and license plate manufacturers, demonstrating a strong understanding of web development technologies and frameworks and proficiently managing the full development life cycle to deliver high quality, reliable applications.
- Designed and developed an embedded Linux application for auditing driving exams, featuring telemetry and video recording capabilities, drawing upon extensive expertise in Linux systems and video technology. We successfully implemented the application in over 200 schools in the state of Sergipe, Brazil.
- Expertly delivered comprehensive training to multiple colleges, emphasizing the importance of rapid skill acquisition and ownership for success in the field, ensuring trainees have a strong foundation and confidence in their abilities.

## Software Developer

Feb 2010 - Sep 2014

Pomerplast, Pomerode

- Managed technical infrastructure, including networking, employee computers, Windows server clusters, and camera systems, collaborating with other departments to ensure smooth operation and implementing strategies to improve security, reliability, and scalability.
- Provided support to all employees in the company, successfully troubleshooting technical issues, answering questions, and resolving problems, known for dedication to meeting colleagues' needs and using strong communication and teamwork skills.
- Successfully maintained an internal ERP system that managed every aspect of the company, demonstrating deep understanding of business processes and technology. Collaborated with various departments to gather requirements, design the system, and test it, resulting in streamlined processes and improved efficiency for the company.

## EDUCATION

### Master of Science (M.S.) - Data Science

Jan 2023 - Jan 2025 (Expected)

*University of Applied Sciences*

### Master of Business Administration (M.B.A.) - Software Engineering

Jun 2018 - Oct 2020

*XP Educação, Belo Horizonte*

### Bachelor's Degree - Computer Sciences

Jan 2010 - Jan 2015

*FURB - Fundação Universidade Regional de Blumenau, Blumenau*

## SKILLS

**Expert in:** Python, Go, QuickSight, DynamoDB, S3, Lambda, AWS Glue, CloudFormation, IAM

**Intermediate in:** Javascript, Ruby, Shellscript, PostgreSQL, MongoDB, Redis, MySQL, EC2, EMR, CDK, Docker, Kubernetes, Grafana, Prometheus, Jenkins, SQL, PySpark, Git

**Basic in:** SQL Server, Sybase, Amazon Timestream, Tableau

## HONORS & AWARDS

### Ownership Award

2022

*Amazon Web Services*

As recognition for demonstrating ownership and deliver ahead of expectation to our customers in AWS.

### Startup Accepted for Incubation

2014

*Instituto Gene*

Project "Eplus" accepted for incubation as a startup, with the goal of democratizing access to high-quality study materials and improving the ability of educators and learners to find necessary resources.