Jonathan Schweder

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Highly skilled software engineer with diverse IT experience. Improving customer/user experiences through customer service concepts. Strong analytical, programming, virtualization skills. Excellent communicator with technical/non-technical stakeholders. Seeking Software Engineer, SRE or Data-intensive role to deliver quality software and analytics solutions.

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.

Technologies: Python, Go, Ruby, Typescript/Javascript, Shellscript, SQL, EC2, Lambda, ECS, Docker, Kubernetes, Linux (Amazon Linux, Ubuntu, Debian, CentOS, Red Hat Linux), DynamoDB, RDS, PostgreSQL, Amazon Timestream, Redis, S3, EFS, ClouFormation, CDK, API Gateway, Route 53, IAM, Secrets Manager, Athena, EMR, PySpark, AWS Glue, QuickSight, SWF, CodeCommit, CodeDeploy, CodePipeline, Amazon Polly, Amazon SageMaker, Git.

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.

Technologies: Go, Shellscript, Javascript, Kubernetes, Docker, Linux (Debian, Ubuntu, ArchLinux, Alpine), MongoDB, S3, Redis, CloudFormation, CDK/CDK8S, Prometheus, Grafana, Multi-cloud.

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.

Technologies: Python, Go, Shellscript, HTML/CSS/Javascript, Django, flask, sqlalchemy, MongoDB, PostgreSQL, S3, RDS, EC2, ECS, Docker, NGINX, Linux (Ubuntu, Debian, CentOS), video streaming.

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.

Technologies: Go, PHP, Shellscript, HTML/CSS/Javascript, Laravel, Lumen, Doctrine, Composer, Sybase, PostgreSQL, MySQL, MongoDB, Docker, Linux (Ubuntu, Debian, ArchLinux, Alpine), video streaming.

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.

Technologies: Delphi, Sybase, Windows NT, Windows Server 2003/2008/2012, Active Directory, Linux (Ubuntu).

EDUCATION

Master of Business Administration (M.B.A.) - Software Engineering   Jun 2018 - Oct 2020
XP Educação, Belo Horizonte, Brazil

Bachelor's Degree - Computer Sciences   Jan 2010 - Jan 2015
FURB - Fundação Universidade Regional de Blumenau, Blumenau, Brazil

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.