Alex Zmachynski

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Experience

Pacific Gas and Electric Company(PG&E)   Oakland, CA   Nov 2023 - Present
IT Systems Engineer – Expert

●   Leading IT operations for PG&E's Remote Grid wildfire mitigation initiative, ensuring high availability and integration of APIs across wildlife monitoring and ADMS platforms via MuleSoft.

Cardinal Health   San Francisco, CA   Nov 2019 - Oct 2023
Sr. Software Engineer, Commercial Technologies

●   Supervised company's 2d to 3d level domains migration project. Responsible for security certificates monitoring, requesting certificates renewal and validation before and after deployments on company infrastructure

●   Introduced SRE engineering practice, which improved company text RX messaging platform using Terraform, Nagios, CheckMK, Ansible, Grafana, Graylog, UptimeRobot, Jenkins for Safeway, Costco, Albertsons, Raleys and other major carriers

●   Setup Snowflake data warehouse with Matillion ETL data integration solution, applied all security requirements to protect PHI customer data in rest and in transit

●   Planned and executed company migration of DNS Godaddy records to AWS Route53 hosted zones

●   Setup and administered company OpenVPN server, integrated with Active Directory

●   I developed, supported and troubleshooted multiple CI/CD Jenkins code pipelines for ec2, ECS and EKS deployments

Insight DevOps Engineering Fellows Program   San Francisco, CA   June 2019 - Sep 2019
Student

●   Containerized Carbon Flow ML Model in Flask Docker with Python SciKit-Learn to run as a REST API service

●   Built a Kubernetes cluster on AWS secured VPC without paid overhead with KOPS and Terraform for ML model deployment

●   Setup Jenkins CI/CD pipeline with versioning and monitoring for canary and production deployments using Kubectl and Helm

SelectQuote Insurance Services   San Francisco, CA   May 1998 - Apr 2019
Senior Software Developer | DevOps Engineer

I focused on turning data into information that is valuable to the business, effectively contributed in a variety of roles such as software developer, data engineer, and DevOps engineer, utilizing multiple technologies and competencies

●   Created multiple ETLs for data exchange between multiple carriers and vendors using C++, Python, SQL server, StarTeam, Ant, Git

●   Developed multiple web clients for communication with various medical vendors and insurance carriers, using RESTfull web services which improved data accessibility, security and compliance standards

●   Built email platform to manage all company daily email communications with medical vendors, APS vendors, and carriers using C++, SQL, and SMTP, automating the case specialist and agent follow up process

●   Created PCI complied server-client solution in order to securely handle transactions for encrypted payments with major banks and financial institutions using C#, Azure web services, Cosmos db, Maas

●   Executed role of company backup SQL Server administrator and DevOps engineer using SQL Server

PEUS System GmbH   Bruchsal, Germany
Software Engineer

●   Programmed controls of multi-venture CVS cabinet for car emission testing which was presented in the SAE International show in Detroit.

National Bank Republic of Belarus
Software Engineer
● 	Participated in the development of the banking system automation which calculated and reported assets and liabilities using C++

Key Skills

AWS Certified Solution Architect - Associate, Issued Nov 2021-Expires Nov 2024, Credencial ID PSNTV0SLN2VE1WGC

Languages: 	C, C++, C#, Python, Bash, SQL
Packages: 	Pandas, Flask, Django, RESTful web services
Tools: 	Docker, Swarm, Kubernetes, KOPS, Kubectl, Helm, Travis, Jenkins,Terraform, Ansible, Splunk, Snowflake

Education

Belarusian State University 	*Master of Science in Electrical Engineering (with honors)* 	Minsk, Belarus