Alex Zmachynski

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WORK

SelectQuote Insurance Services, *Senior Software Developer and DevOps Engineer*   **May 1998 – Jan 2019**

I focused on turning data into information that is valuable to the business, effectively contributed in a variety of roles such as a 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, Beautiful Soup and regex, SQL Server, AWS, Docker Swarm, Ansible.
- 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, Git, Travis CI, Splunk.
- 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 an automated email platform to manage all company daily email communications with medical vendors, APS vendors, and carriers using C#, XML, LINQ, SQL, and SMTP.

PEUS System GmbH, *Software Engineer*   **Mar 1996 – Apr 1998**

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

The National Bank Republic of Belarus, *Software Engineer*   **Sep 1994 – Feb 1996**

- Participated in the development of the banking system automation which calculated and reported assets and liabilities using C++

PROJECTS

CarbonFlow ML model on Kubernetes AWS - https://www.youtube.com/watch?v=cKMSX_JOeV8&feature=youtu.be

- Containerized Carbon Flow ML Model in Flask docker with Python SciLearn to run as REST API service.
- Built the Kubernetes cluster on AWS secured VPC without the 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.

EDUCATION

Insight Data Science Program, *DevOps Engineering Fellow*

Belarusian State University
Masters of Science in Electrical Engineering (with honors)
  Specialization: Cybernetics

SKILLS

Programming: C, C++, C#, Python, Bash, SQL, Pandas, Flask, Django, RESTful web services
DevOps Tools: Docker, Swarm, Kubernetes, KOPS, Kubectl, Helm, Travis CI, Jenkins, Terraform, Ansible, Splunk
Cloud Platforms: Digital Ocean, Azure, AWS
Databases: MS SQL Server, Postgres, Cosmos db