

Vadym Denysenko

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EDUCATION

University of Washington <i>B.S. in Computer Science, Minor: Business Administration</i>	2022 – 2024 Seattle, WA
Bellevue College <i>Associate in Arts & Sciences</i>	2020 – 2022 Bellevue, WA

TECHNICAL SKILLS

Programming Languages: Python, Java, PowerShell, SQL (PostgreSQL, MySQL), Bash
Frameworks & Libraries: Spark (Java, PySpark), boto3, FastAPI, Dropwizard, Node.js
Build & Automation Tools: Maven, Terraform, CI/CD (GitHub Actions, Jenkins), Docker, Git
Cloud: AWS (S3, EC2, Lambda, ElastiCache, ECS, EKS), Azure (Blob, VM, SQL Database)

WORK EXPERIENCE

Software Engineer <i>INRIX</i>	Sept. 2024 – Present Kirkland, WA
<ul style="list-style-type: none">Built a scalable microservice with Java and Dropwizard, deployed on AWS EKS, to centrally track status and metadata of long-running data processing jobs, enabling standardized job monitoring across the engineering org;Extended functionality of an existing Node.js application to enable secure customer downloads of Parquet data files from an AWS S3-backed SaaS platform, implementing granular authentication for controlled access;Led scaling and cost optimization efforts for AWS ElastiCache and ECS, improving system elasticity and stability while cutting AWS spend by \$70,000/year;Automated and enhanced a data processing pipeline by parallelizing SQL data extraction across geographic regions using PowerShell, and incorporating Java-based compression and binary conversion, achieving a 35% reduction in processing time;	
Undergraduate Research Assistant <i>University of Washington</i>	Oct. 2023 – June 2024 Seattle, WA
<ul style="list-style-type: none">Collaborated with a research group at UW Security & Privacy Lab to design an ad archive aimed at improving transparency within the online advertising ecosystem;Developed an automated data pipeline to process and store new ad data batches in PostgreSQL database, utilizing SQL, Python and SQLAlchemy;Designed new RESTful API endpoints leveraging Python's FastAPI framework and SQLAlchemy, enabling full-text search functionality on dataset of over 72,000+ ads;	
DevOps Engineer Intern <i>INRIX</i>	June 2023 – Sept. 2023 Kirkland, WA
<ul style="list-style-type: none">Worked as a part of Cloud Engineering Team to build CI/CD pipelines for centralized creation and modification of AWS IAM roles using Terraform and GitHub Actions;Developed a Python tool utilizing boto3 library to identify IAM security vulnerabilities inside an AWS account;Optimized and automated the deployment of containerized Node.js application using AWS ECS cluster, Terraform, and Bash, reducing the running cost by 48%;	
Mathematics Tutor <i>Bellevue College</i>	June 2021 – June 2023 Bellevue, WA
<ul style="list-style-type: none">Tutored Calculus, Algebra, and Statistics at Bellevue College Math Lab, providing academic support and one-on-one instruction to help students strengthen problem-solving skills and prepare for exams;	

CERTIFICATIONS

AWS Certified Developer – Associate (DVA-C02)	January 2025
AWS Certified Solutions Architect – Associate (SAA-C02)	July 2022
Microsoft Certified: Azure Fundamentals (AZ-900)	March 2024