ANDREY CHMYKH

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EDUCATION

Carnegie Mellon University August 2015 - Present
Bachelor of Science in Chemical Engineering with Minor in Computer Science

WORK AND RESEARCH EXPERIENCE

Bose January 2019 - August 2019
DevOps Engineer Co-op

- Integrated continuous delivery pipeline with Kubernetes quota groups on Jenkins
- Streamlined git process securely using Kubernetes secrets with Ansible-Vault
- Improved Developer RCA process by creating a rolebinding manager for production namespace access requests
- Created centralized quota group management on a page to display KPIs on microservices and alerts
- Updated internal monitoring dashboard by creating new functionalities and displaying multiple KPIs
- Automated maintenance notifications for production namespaces, allowing developers to subscribe to alerts
- Created services to scale and load-balance docker instances to prevent Jenkins job failures

IBM June 2018 - August 2018
Hybrid Cloud SAE Intern

- Collaborated with development teams around the world to accommodate deployment of 100+ developer-created services to the Cloud
- Developed a deployment pipeline by creating portable bash scripts utilized by a Jenkins framework
- Migrated packaging of services from manual to scripted while verifying correct environment variables
- Reduced deployment time of applications from days to minutes

LEADERSHIP AND EXTRACURRICULARS

Governor's Institute of Vermont June 2015, June 2018
Camp Counselor

- Developed software to supplement lectures around application of game theory in mathematics
- Mentored students by advising on college decisions and cultivating an inclusive environment

TECHNICAL STRENGTHS

Programming Languages	Ruby, Javascript, C, C++ , SQL, Python, Go, Bash, Java, jQuery, HTML, CSS, Groovyscript, Helm, Redis
Software & Tools	PostgreSQL, Jenkins, Kubernetes, Artifactory, Docker, Prometheus, Grafana, LaTeX, StatusIO
Spoken Languages	Russian, English

RELEVANT COURSEWORK

Programming

15-112 Fundamentals of Programming and Computer Science, 15-122 Principles of Imperative Computation, 15-213 Introduction to Computer Systems, 15-150 Principles of Functional Programming, 15-251 Great Ideas of Theoretical Computer Science, 15-210 Parallel and Sequential Data Structures and Algorithms, 15-281 Artificial Intelligence and Problem Solving

Mathematics and Statistics

21-127 Concepts of Mathematics, 21-241 Matrices and Linear Transformations, 36-220 Engineering Statistics and Quality Control, 21-292 Operations Research I