Yuriy Kuntsyak

SOFTWARE ENGINEER, SITE RELIABILITY

Dublin, Ireland (open to remote)

⌂ yuriyk.dev | ⌨ yuriykuntsyak | ⬚ yuriykuntsyak

Summary

Systems Development Engineer at Amazon with over 7 years of experience specializing in software development and cloud architecture. Proven track record in building high-performance systems and leading cross-functional projects, demonstrated by a promotion for contributions to system reliability and cost-efficiency. Looking to leverage my expertise as a Software Engineer in Site Reliability.

Skills

Programming: Python, Go, Bash, JavaScript, TypeScript, Perl, Algorithms, Data Structures.

Cloud: AWS Lambda, Elastic Load Balancer (ELB), CloudWatch, Cloud Development Kit (CDK), Step Functions, EC2, Elastic Container Service, Elastic Kubernetes Service, Fargate, VPC, CloudFormation, QuickSight, Redshift, DynamoDB.

Design: Cloud Architecture, Distributed Design, Resiliency, Cost Optimization.

Systems: Linux OS and Network Administration, Troubleshooting and Performance Tuning, Container Orchestration (Docker, Kubernetes).

Languages: English, Italian, Ukrainian.

Work Experience

Amazon
Dublin, Ireland

SYSTEMS DEVELOPMENT ENGINEER
December 2021 - present

- Leading the technical implementation of several cross-functional projects with org-wide impact.
- Mentoring interns and junior engineers, fostering a culture of knowledge sharing and continuous learning, empowering them to become valuable contributors to the team and the company as a whole.
- Contributing to the on-call rotation, proactively troubleshooting and resolving incidents affecting amazon.com, preventing downtime and ensuring optimal user experience.
- Achieved promotion, recognized for significant contributions to reliability, efficiency, and cost savings. Demonstrated a consistent track record of excellence and a commitment to delivering quality results.
- Developed features and fixed bugs for a serverless event-driven orchestration engine that performs large-scale zero-touch Load Balancer migrations, resulting in a 20X migration speed, years of saved toil, and significantly enhancing the company's operational efficiency, resilience, and security posture.
- Saved 416 hours of engineering toil by developing a serverless API service and UI plugin that generated embeddable and parametrized BI dashboards, completely automating report generation and distribution.
- Boosted data ingestion speed by >50% and cut failure rates by >90% through performance bottleneck analysis and optimization of the job scheduling system, significantly improving the efficiency and reliability of data processing pipelines.
- Improved service reliability and risk mitigation of amazon.com's rendering fleets by implementing a robot attack mitigation and load testing suite.
- Developed tools for safe large-scale load balancing configuration updates, traffic re-routing, and infrastructure rebalancing during peak traffic events.
- Decreased failure ratio of deployments by implementing additional guardrails which resulted in improved service continuity.

Amazon Web Services
Dublin, Ireland

DEVOPS CLOUD SUPPORT ENGINEER
August 2020 - December 2021

- Reduced the number of incoming Support Cases by developing Automation Workflows to analyze and report configuration anomalies that cause service malfunctions.
- Empowered Enterprise customers to develop Cloud-Native applications on AWS services, specializing in Container Orchestration Services and Infrastructure as Code.
- Offered expert architectural guidance, shared best practices, and conducted troubleshooting sessions for customers, ensuring the seamless operation of their Cloud Infrastructure.
- Led knowledge-sharing initiatives by training fellow engineers in building highly-available Cloud-Native web applications, contributing to a skilled and proficient team.
- Earned 'Top Resolver of the Month' award for developing effective solutions to complex AWS Container Services issues, improving system stability and customer satisfaction.

Freelance
Remote

SOFTWARE ENGINEER
July 2020 - December 2021

- Developed web crawlers, tools and fixed bugs using Python as independent contractor, enabling multiple clients to deliver value for their customers."

Partech SpA   *Parma, Italy*

DevOps Engineer   *May 2019 - July 2020*

- Reduced MTTR and deployment failure ratio caused by changes in mission-critical applications by >50% through the implementation of modular, testable, reusable and idempotent tools for deployment and maintenance of multiple application server stacks.
- Conducted Root Cause Analysis using ELK stack on all failed software releases and implemented remediations that improved future releases.
- Standardized and refactored software build and deployment pipelines using Jenkins and Ansible Tower.
- Developed user-friendly error reporting service for deployment orchestration engine using Python and Docker, leading to 66% reduction in team's incoming tickets and user requests.
- Automated large-scale VM migrations between VMware vCenters using Python and Ansible, reducing manual intervention by 90%.
- Enhanced team productivity and skill set by mentoring junior engineers on advanced coding practices, streamlining onboarding process with comprehensive documentation, and driving technical hiring decisions.

Intesa Sanpaolo   *Parma, Italy*

Monitoring Automation Engineer   *September 2016 - May 2019*

- Designed and implemented automatic end-to-end discovery combined with monitoring policy deployment for the entire server fleet of the company, resulting in improved observability.
- Reduced by 80% support tickets and Mean Time to Repair by correlating incident categories and implementing a self-healing automation for the most recurring failure modes.
- Developed comprehensive collection of metrics and logs by integrating agent-based and agent-less tools combined into a central Data Lake hosted on ElasticSearch, enabling centralized analytics and reporting.

Fixit Srls   *Parma, Italy*

Systems Administrator, CTO   *September 2015 - September 2016*

- Installed and maintained and repaired network, server, and workstation hardware.
- Maintained MS Active Directory, Exchange Server and client software.

it.city SpA   *Parma, Italy*

Systems Administrator (internship)   *March 2013 - March 2013*

Education

Università degli Studi di Parma   *Parma, Italy*

Information Technology Engineering   *2014 - 2015, 2018 - 2020 (uncompleted due to full time work)*

ITIS Leonardo da Vinci   *Parma, Italy*

Secondary School Diploma in IT   *2009 - 2014*