

Dalwar Hossain

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HIGHLIGHTS

Programming	Python, Shell Scripting
Container Orc.	Kubernetes, Helm
Infra. as Code (IaC)	Terraform, Ansible
Cloud Services	Microsoft Azure, Amazon Web Services, Google Cloud Platform
Software Life-cycle	ArgoCD, Jenkins, SonarQube, Artifactory
Logging/Monitoring	ELK Stack, Prometheus, Grafana
Database	PostgreSQL, MySQL

WORK EXPERIENCE

Nov 2022 - Present	Senior Infrastructure Engineer <i>cioplenu GmbH, Frankfurt, GERMANY</i> <ul style="list-style-type: none">• Microsoft azure cloud infrastructure administration for SaaS product• Azure Kubernetes cluster management• Helm chart design and implementation for SaaS product• Automated build and artifact delivery system with Jenkins• Automated deployment of Kubernetes resources with ArgoCD• Kubernetes metrics monitoring with Prometheus and Grafana• Logs handling with Elastic cloud Elasticsearch• Kubernetes secret management with external secret operator and azure workload identity federation.
June 2022 - Oct 2022	Senior DevOps Engineer <i>Deutsche Boerse AG, Eschborn, GERMANY</i> <ul style="list-style-type: none">• Service management for microservice-based software deployment• Kubernetes cluster (EKS) management in AWS• Maintain and create new Helm charts• Automatic infrastructure deployment and provision with Terraform• CI/CD pipeline management with Circle CI, Concourse and ArgoCD• Infrastructure Monitoring with Cloudwatch• Kubernetes Service Monitoring with Prometheus, Grafana, and Elasticsearch.
June 2021 - May 2022	DevOps Engineer <i>RiskIdent GmbH, Hamburg, GERMANY</i> <ul style="list-style-type: none">• Platform service management for microservice based software deployment• Kubernetes cluster management• Maintain and create Helm charts• Infrastructure configuration management with Ansible• Automatic infrastructure provision [Infrastructure as Code (IaC)] with Terraform• Kubernetes monitoring with Prometheus and Grafana• Kubernetes log management with Fluentbit, Fluentd and Elasticsearch.

Nov 2018 - Present	<p>DevOps Engineer <i>NTT Germany AG & CO. KG, Bad Homburg, GERMANY</i></p> <ul style="list-style-type: none"> • Project planning with proper guidance on system options, risk, impact and cost vs. benefit • Developed distributed REST API solutions for complex s/w and h/w eco-systems • Implemented development to production CI/CD pipeline with Jenkins • Implemented code quality and security management system (SonarQube) • Ensuring code quality and quality gates • Designed and implemented binary management system (JFrog Artifactory) • Containerization with Docker and container orchestration with Kubernetes • System and Application monitoring with Prometheus and Grafana • Log management with Splunk
May 2017 - Nov 2017	<p>DevOps Engineer <i>Fraunhofer FOKUS, Berlin, GERMANY</i></p> <ul style="list-style-type: none"> • Implementation and configuration of SALTSTACK in virtual machines • Create custom SALTSTACK formula, module, grains and pillars • Implement reverse proxy and load balancing with NGINX • Create user defined parameters for ZABBIX agent • Write shell and python automation scripts • Network automation using SALTSTACK and NAPALM • Write automation modules for low level network switches
Jul 2013 - Jul 2015	<p>QoS Associate Engineer <i>Banglalink Digital Communications Ltd., Dhaka, BANGLADESH</i></p> <ul style="list-style-type: none"> • Developed back end data processing software using Python • Developed front end web application for visualizing data & report generation • Automated system wide tasks for in-house and FTP servers using Python • Created KPI formula & database structures • Created MySQL database schema & queries for data processing • Administrated RHEL & Debian based Linux servers (60+ HP G7)
Mar 2012 - Jun 2013	<p>Performance Junior Engineer <i>Banglalink Digital Communications Ltd., Dhaka, BANGLADESH</i></p> <ul style="list-style-type: none"> • Administrated RHEL & Debian based Linux servers (60+ HP G7) • Automated tasks for in-house servers using Python & Java • Created and administrated Oracle 10g database for user based data • Troubleshooted Windows 2012 servers for H/W or S/W problems • Created network topology for network optimization servers • Maintained, updated & extended in-house softwares developed in Java

CERTIFICATIONS

Aug 2023 - Aug 2024	Microsoft Azure Administrator (AZ-104) <i>Microsoft Corporation</i> <ul style="list-style-type: none">• Certification ID: AC48F0-F7A5MC
Sep 2021 - Present	Certified Kubernetes Administrator (CKA) <i>The Linux Foundation</i> <ul style="list-style-type: none">• Certification ID: LF-q812anr9hu
Sep 2022 - Sep 2024	HashiCorp Certified: Terraform Associate <i>HashiCorp</i>
Jun 2020 - Present	Certified Jenkins Engineer 2020 <i>CloudBees, Inc.</i> <ul style="list-style-type: none">• Certification ID: 20109243
Feb 2020 - Present	DevNet 500 <i>Cisco Systems, Inc.</i> <ul style="list-style-type: none">• Certification ID: 6F4FRJXP2CVQQCK9
Oct 2019 - Present	Cisco Meraki Network Associate - CMNA <i>Cisco System, Inc</i>
Sep 2020 - Sep 2023	Cisco Certified DevNet Professional (Expired) <i>Cisco Systems, Inc.</i> <ul style="list-style-type: none">• Certification ID: QY4N925FBHBE13WN
Sep 2020 - Sep 2023	Cisco Certified DevNet Specialist - Core (Expired) <i>Cisco Systems, Inc.</i> <ul style="list-style-type: none">• Certification ID: SK4E5Y3FBLF11R9D
Aug 2020 - Aug 2023	Cisco Certified DevNet Specialist - DevOps (Expired) <i>Cisco Systems, Inc.</i> <ul style="list-style-type: none">• Certification ID: GLBKSSJNBGF41639
Feb 2020 - Aug 2023	Cisco Certified DevNet Associate - CCDevA (Expired) <i>Cisco System, Inc.</i> <ul style="list-style-type: none">• Certification ID: 6F4FRJXP2CVQQCK9

EDUCATION

Sep 2015 - Sep 2018	Master of Science in Internet Technology and Architecture (ITA) <i>Technische Universität Berlin, Berlin, GERMANY</i> <i>Sorbonne Université, Paris, FRANCE</i> <ul style="list-style-type: none">• <i>Dissertation:</i> Community Detection and Observation in Large-scale Transaction-based Networks• <i>Project:</i> Analysis and Visualization of BGP IPv4 Prefix Delegation Structure
Jun 2016 - Jul 2016	Summer School on Privacy, Security and Trust <i>Università degli Studi di Trento, Trento, ITALY</i> <ul style="list-style-type: none">• <i>Project:</i> aid, a secure service that provides time efficient medical history of patients to medical professionals in emergency situations to save lives faster• <i>Topic:</i> Innovative business proposal on security and privacy in digital Life
Feb 2008 - Oct 2011	Bachelor of Science in Computer Science and Information Technology <i>Islamic University of Technology, Dhaka, BANGLADESH</i> <ul style="list-style-type: none">• <i>Dissertation:</i> Personalized Web Recommendation Combining User-centered Collaborative Technique with URL Weighting

LANGUAGES

BANGLA	ENGLISH	HINDI	GERMAN
<i>Native</i>	<i>Proficient</i>	<i>Intermediate</i>	<i>Beginner</i>

OTHER SKILLS

Programming	C/C++, R, Java, Yaml, Jinja2	Monitoring	Netdata, Zabbix
Design	Wordpress, HTML5, CSS3	Methodology	Scrum, Kanban
Networking	GSM, IPv4, IPv6, Routing, Switching	IDE	VS Code, PyCharm
Project Management	Jira, Trello, MantisBT	Media	MS Office, \LaTeX