

# Dalwar Hossain

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## HIGHLIGHTS

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

## WORK EXPERIENCE

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June 2021 - Present	<b>DevOps Engineer</b> <i>RiskIdent GmbH, Hamburg, GERMANY</i> <ul style="list-style-type: none"><li>Platform service management for microservice based software deployment</li><li>Kubernetes cluster management</li><li>Maintain and create Helm charts</li><li>Infrastructure configuration management with Ansible</li><li>Automatic infrastructure provision [Infrastructure as Code (IaC)] with Terraform</li></ul>
Nov 2018 - May 2021	<b>DevOps Engineer</b> <i>NTT Germany AG &amp; CO. KG, Bad Homburg, GERMANY</i> <ul style="list-style-type: none"><li>Project planning with proper guidance on system options, risk, impact and cost vs. benefit</li><li>Developed distributed REST API solutions for complex s/w and h/w eco-systems</li><li>Implemented development to production CI/CD pipeline with Jenkins</li><li>Implemented code quality and security management system (SonarQube)</li><li>Ensuring code quality and quality gates</li><li>Designed and implemented binary management system (JFrog Artifactory)</li><li>Containerization with Docker and container orchestration with Kubernetes</li><li>System and Application monitoring with Prometheus and Grafana</li><li>Log management with Splunk</li></ul>
May 2017 - Nov 2017	<b>DevOps Engineer</b> <i>Fraunhofer FOKUS, Berlin, GERMANY</i> <ul style="list-style-type: none"><li>Implementation and configuration of SALTSTACK in virtual machines</li><li>Create custom SALTSTACK formula, module, grains and pillars</li><li>Implement reverse proxy and load balancing with NGINX</li><li>Create user defined parameters for ZABBIX agent</li><li>Write shell and python automation scripts</li><li>Network automation using SALTSTACK and NAPALM</li><li>Write automation modules for low level network switches</li></ul>

- Jul 2013 - Jul 2015 | **QoS Associate Engineer**  
*Banglalink Digital Communications Ltd., Dhaka, BANGLADESH*

  - 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 | **Performance Junior Engineer**  
*Banglalink Digital Communications Ltd., Dhaka, BANGLADESH*

  - 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

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- Sep 2021 - Present | **Certified Kubernetes Administrator (CKA)**  
*The Linux Foundation*

  - Certification ID: *LF-q812anr9hu*
  
- Jun 2020 - Present | **Certified Jenkins Engineer (CJE)**  
*CloudBees, Inc.*

  - Certification ID: *20109243*

## EDUCATION

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- Sep 2015 - Sep 2018 | **Master of Science in Internet Technology and Architecture (ITA)**  
*Technische Universität Berlin, Berlin, GERMANY*  
*Sorbonne Université, Paris, FRANCE*

  - *Dissertation:* Community Detection and Observation in Large-scale Transaction-based Networks
  - *Project:* Analysis and Visualization of BGP IPv4 Prefix Delegation Structure
  
- Jun 2016 - Jul 2016 | **Summer School on Privacy, Security and Trust**  
*Università degli Studi di Trento, Trento, ITALY*

  - *Project:* **aID**, a secure service that provides time efficient medical history of patients to medical professionals in emergency situations to save lives faster
  - *Topic:* Innovative business proposal on security and privacy in digital Life
  
- Feb 2008 - Oct 2011 | **Bachelor of Science in Computer Science and Information Technology**  
*Islamic University of Technology, Dhaka, BANGLADESH*

  - *Dissertation:* Personalized Web Recommendation Combining User-centered Collaborative Technique with URL Weighting

## LANGUAGES

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