

Rizwan Qamar

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Visa Status: Permanent Resident
[647-657-6902](#) | **Toronto, Canada**

PROFILE

- Over **8** years of programming experience, with demonstrated expertise in troubleshooting and debugging complex technical issues
- Possess in-depth knowledge in Object-Oriented Analysis and Design with software development experience in **Java** technologies and majorly used production database
- Skilled in frontend technologies including **React**, **jQuery**, **Bootstrap**, **CSS3**, and **HTML5**
- Experienced with server-side backend technologies such as **Spring MVC**, **Spring Boot**, and **NestJs**
- Enthusiastic about learning new technologies and tackling challenging problems
- Versatile experience covering Application Development, System Enhancement, and Build, Release, and DevOps operations

WORK EXPERIENCE

NamuICT

Jan 2020 – Sep 2023

Software Engineer

*Seoul, **Korea***

- Developed **REST** services utilizing the **NestJS** framework with **TypeScript**, documented using **Swagger**, and designed frontend components in **ReactJS** using JavaScript
- Utilized the **TypeORM** library for **PostgreSQL** database interactions
- Implemented workflows using **Java** and **TemporalIO** engine
- Orchestrated the build and release processes of the product utilizing **GitHub Actions**
- Facilitated the migration of the product from virtual machines (VMs) to containers, leveraging **Buildpacks** to build OCI-compliant images executable on **Podman**
- Enhanced project observability by integrating tracing mechanism using **W3C** Trace Context, **OTel** collector, and **Jaeger**
- Developed **Prometheus** exporter and service discovery services
- Developed a service in **Go** to effectively interface with **Redfish**-enabled devices

Namutech

Jun 2016 – Dec 2019

Software Engineer

*Seongnam, **Korea***

- Developed an inventory management system ITMS
 - Integrated **SAML** authentication for enhanced security and user access
 - Implemented frontend using **JSP** and backend with **Spring MVC**, utilized the **Quartz** library for scheduling cron jobs, including database synchronization tasks, and employed **MyBatis** for interacting with **PostgreSQL**
 - Set up the development/production environment, managed build lifecycle, and deployment of the application using **Jenkins**
 - Managed the **SVN** version control system to ensure efficient collaboration and code management
- Developed a web application for analytics and data visualization
 - Created a dashboard with **Vue**, **Vuex**, **Vue Router**, and web sockets for real-time data visualization and seamless user experience, while ensuring reusable and maintainable components for efficient development
 - Leveraged **Python** for backend web services development
 - Streamlined code delivery and automated build processes through **Jenkins** and **Docker** containers, ensuring consistent deployment

- Adapted the "OpenBaton" Java-based open-source project, ETSI MANO compliant, for a client (Samsung network lab) to demonstrate orchestration of 5G Virtual Network Functions (VNFs) using **Java**, **Spring Boot**, **RabbitMQ**, **AngularJS**, and **Bootstrap**
 - Automated the deployment of OpenStack instances, including configurations like PCI pass-through, CPU pinning, and NUMA cell allocation

Arbisoft

July 2012 – Feb 2014

Software Engineer

Lahore, **Pakistan**

- Converted the UI to a component-based solution using **Backbone.js** and **Underscore.js** for a mobile-first approach. Enhanced user experience with **Bootstrap**, CSS3, jQuery, handlebars, and promises
- Leveraged **Spring framework** for backend functionalities, and incorporated **RabbitMQ** for asynchronous messaging to ensure efficient communication between components

HONORS/AWARDS

- MVP for year 2020 at NamuICT
- Received merit scholarship from NUST

ACADEMIC PROJECTS & VOLUNTEER WORK

- Developed screen management system to optimize the utilization of screens at NUST-SEECS by providing web access, enabling SMS communication via Kannel gateway, notifying teachers of classes, locating available classrooms for meetings, and suggesting optimal times to visit instructors' offices
- Teaching Assistant Intro to JAVA Programming from September 2010 to January 2011

EDUCATION

AJOU University

Feb, 2016

Masters, Computer Engineering

Suwon, **Korea**

- GPA: 4.19 / 4.5

NUST University

Aug, 2012

Bachelors, Information Technology

Islamabad, **Pakistan**

- GPA: 3.56 / 4.0

SKILLS

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|---------------|--------------|--------------|
| ▪ Java | ▪ RabbitMQ | ▪ OpenStack |
| ▪ Spring Boot | ▪ JavaScript | ▪ Docker |
| ▪ Spring MVC | ▪ Typescript | ▪ Podman |
| ▪ MyBatis | ▪ JSP | ▪ Buildpacks |
| ▪ Hibernate | ▪ CSS | ▪ Jenkins |
| ▪ Node.js | ▪ React | ▪ Linux |
| ▪ NestJS | ▪ Vue.js | ▪ Traefik |
| ▪ MySQL | ▪ PostgreSQL | ▪ Git |
| ▪ PostgreSQL | ▪ MySQL | ▪ SVN |

LANGUAGES

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|-------------------|----------------|-----------------|
| ▪ English(Fluent) | ▪ Urdu(Native) | ▪ Korean(Basic) |
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