

# HAMZA RASHID

## COMPUTER SYSTEMS ENGINEER

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### SUMMARY

A self-driven and motivated **computer systems engineer** having interests in computer networking, devops, software development and Linux. Currently rendering services to **Avanza Solutions** as a **software engineer** which is one of the biggest names in FinTech. Possesses great communication and presentation skills and is enthusiastic to learn from others.

### STRENGTHS AND INTERESTS

Teamwork Networking Virtualization  
Presentation Programming FinTech

### CAREER SNAPSHOT

#### Software Engineer November 2020 to Present

##### Avanza Solutions

**Avanza Solutions** is one of Pakistan's biggest FinTech solution provider. The major clientele includes some of the largest banks of Pakistan as well as abroad. My responsibilities include working with their middleware switch i.e. **Rendezvous** and **Nimbus** which is their ATM controller.

Client Engagement

Meezan Bank Limited

Projects

##### MBL Direct Biller

The aim of this project was to enable direct communication between the bank and billing companies and remove the involvement of the billing aggregator.

##### Keenu Wemsol Wallet Integration

This was an ATM based project, aim of which was enable ATM machines to facilitate Wemsol customers to control their digital wallet.

#### Jr. Software Engineer November 2019 to October 2020

##### DreamBig Semiconductor

**DreamBig Semiconductor** is a US based startup geared towards providing a **smart NIC (Network Interface Card)** solution to data centers. I was one of the company's earliest employees and a part of its software team. My major assignments in the team were concerned with doing research on **OVS hardware offloads** and **DPDK**. I had also been selected by the firm to **lead the hiring and training** process of its 2020 internship program.

### PROFESSIONAL QUALIFICATION

#### Bachelor of Engineering December 2015 to August 2019

##### NED University of Engineering and Technology

Major Computer Systems Engineering

Projects OCR for Urdu Language  
8-Bit MIPS Processor  
Ransomwareware

### ACADEMIC CREDENTIALS

#### Intermediate 2014 to 2015

##### Government Dehli College

Major: Pre-Engineering

Grade: A-1

#### Matriculation 2000 to 2013

##### House of Children Secondary School

Major: Science

Grade: A-1

### TECHNICAL SKILLS

#### Networking

OVS

Linux Networking Tools

Data Plane Development Kit (DPDK)

Packet Capture Analysis

#### Programming Languages

C/C++

Python

Kotlin

Java

Bash Scripting

#### Databases

MySQL / SQL Server / SQLite

#### DevOps and Virtualization

QEMU / Libvirt

Linux Namespaces and Mininet

Docker

Ansible

Jenkins

#### Linux Environment

Ubuntu / Debian

Red Hat / CentOS

#### Mobile Development

Android Development

### SOFT SKILLS

- Logical Reasoning
- Adaptability
- Public Speaking
- Training and Mentoring
- Critical Observation
- Commitment
- Collaborative Cooperation
- Professionalism
- Lateral Thinking
- Decision Making

### HOBBIES

Fragrance Collection Music Physical Workout Exploring Linux Graphic Designing