



# M A A Zakaria Kamal

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## Professional Summary

Having three more years' experience to become specialized on UX/UI design and UX/UI engineering, kin knowledge over Usability testing methods, expert knowledge on project management, efficient on prototyping and quality of service. Proven diagnostic abilities with attention to detail and ability to work effectively in a fast-paced environment. Worked as a test and Installation Engineer with more than two years of increasing responsibilities in technical leadership, computer technology, and business-critical management. Expertise in networking concepts, TCP/IP protocol, and network security, knowledge of firewall setup and administration and VPN.

## Educational Background

### Master's of science in Usability Engineering

Rhine-Waal University of Applied Sciences  
2012 - 2018

Kamp-Lintfort, Germany

Major courses: Usability consulting, Human factors Design, Analysis Method, Strategic Usability Engineering, Visualization, Research Projects.

### Bachelor of science in Electrical and Electronic Engineering

American International University of Bangladesh (AIUB)

2005 - 2009

Dhaka, Bangladesh

Major courses: Telecommunication Engineering, cellular mobile communication, Power (station, transmission and distribution, system analysis), Computer System Architecture.

## Employment Experiences

### Marquis Technologies GmbH

Test Engineer

01.05.2018 – 31.03.2022

Pre-Launch mobile device testing, Handset Testing, Mobile chipset Testing, and Prototype models. Field-testing, Sanity testing, Feature testing, Functional testing, System testing, Device Flashing, Compatibility testing, Retesting, Regression Testing, Performance testing, Load testing, Stress testing, Mobility and Stationary testing of 2G/3G/ 4G LTE smartphones in mobile handsets. Device acquisition, flashing on latest SW built, performing stationary, mobility testing, Network Testing. UI Testing, Integration Testing, Regression Testing, Network Testing, 2G/3G/4G/LTE Testing. Log capturing on logging tools like QxDM, ELT, Wireshark, ADB, ODL. Performing debugging analysis in LTE and VoLTE technologies for finding the possible root cause. Execute Field test cases to verify the call performance, voice quality Hand overs and data, performance and location functionality of mobile phones. End user product testing and benchmarking of Mobile phone products, Performance and location functionality of mobile phones. Testing the call quality on 2G and 3G network, 4G networks. Providing full R&D support and maintenance for pre and post launch products, including reproduction and diagnosis of problem. Preparation of bug & test summary report, Execution of test cases on GSM, WCDMA/UMTS, LTE, IRAT and VoLTE, Involvement in Test plan Preparation and preparation of test strategy.

### EEP Elektro-Elektronik Pranjic GmbH

Student assistant

10.08.2019 – 30.11.2019

I worked as an assistant for four months. My responsibility was to help EEP permanent employees to build different types of solenoids and sensors.

### Amazon.com Inc. Rheinberg, Germany

Student job in Amazon Fulfillment center as an amazon associate

20.10.2015 – 31.12.2015

24.10.2014 – 31.12.2014

I worked as a warehouse fulfillment assistant. It was a really great experience to work in the world's biggest e-commerce company.

### Volkswagen AG. Wolfsburg, Germany

Student job in production line

19.05.2015 – 13.09.2015

It was a student job in the Volkswagen AG. Wolfsburg. I worked as a student on my vacation time and got amazing experience to work with Volkswagen employee. It gives me experience to work with an international company with multinational people and having knowledge about world's biggest automotive company.

## Projects and Thesis

**Master's Thesis:** Conceptual Design and Implementation of an Android Travel App for Dhaka City.

**Tools:** User Center Design process, Agile Software Development Process, Interview, High fidelity digital prototype, Benchmarking, Blackbox testing and System Usability Scale.

**Project B:** An Interactive Geographic Game for school going children.

**Tools:** UCD life style, Survey, Interview, Evaluation existing system, Brainstorming, Video prototype and Usability testing.

**Project A:** A Job portal for students of Rhine-Waal University of Applied Sciences.

**Tools:** Human center design process, Online survey, Online interview, Focus group, Low fidelity prototype, high fidelity digital prototype and Usability testing.

**Advance Research Project:** An Innovative Arduino based device to help blind people.

**Tools:** Storyboard, Focus Group, A/B Testing, High fidelity prototype.

### Augere Wireless Broadband Bangladesh Ltd (Qubee)

Test and Installation Engineer

01.10.2010 – 31.05.2012

Wimax CPE installation, Analysis Radio frequency Network Problems and Solution, Firmware Update, Drive test for checking coverage area, Crystal management with the ticket handling. Analysis Radiofrequency Network Problems and Solution. Monitoring the entire time base station network with mail reports and Google earth analysis. Maintenance Office Network. Testing software problems and solutions. Establishing internet connectivity at customer server Configuring Linux/Windows server. Troubleshooting Enterprise customers Internet and LAN services, Web server, Mail server, Proxy server, DHCP server, DNS server, etc. Troubleshooting different Routers, Switches, and different types of networking equipment Looking after day-to-day network operation. Monitoring network stability and performance, resolving service impacts on a daily basis Doing R&D on technical requirements for the clients.

### AI-akssa Electronics Company limited

Junior electrical Engineer

05.05.2010 – 30.09.2010

Assembling electronics devices and electrical equipment Performing Detail Engineering of Instruments. Selection of Instruments regarding process condition. Analog and digital cable selection for instrumentation. Cable schedule preparation. Installation and commissioning.

## Professional Skills

- Good at finding fast and effective solutions to various problems
- Very organized and disciplined
- Respectful, well-mannered, and punctual
- Willing to learn and is flexible in any source of

## Technical Skills

- Prototyping tools: justinmind, Axure, Mind Map, Figma
- Usability testing tool: Techsmith Morae
- Split-testing tool: Optimizely, Eye tracking
- Presentation tool: Prezi
- Programming language: HTML, CSS, Passolo, CMATLAB, Arduino, Matlab, Pspice, Java script
- Text Processing: Microsoft 365
- Design software: Auto CAD (2D, 3D), Adobe Photoshop, Adobe Illustrator, Adobe XD (For UI/UX design/Prototyping)
- Networking: Have CISCO networking course complete certificate

## Language Proficiency

- English - Fluent
- German – Good
- Bengali – Native