



S M SAIF SHAMS

Garver Ytteborgsvei 131
Oslo 0977, Norway
Mobile: +47 40038314
Email: saif95bds@yahoo.com

OBJECTIVE

Looking for challenging opportunities to work with innovative development team who has a strong focus on real-world challenges and that delivers values to customers.

PROFESSIONAL EXPERIENCE

Operations Engineer, Escenic AS (www.escenic.com)

Date - 2012

As an Operations Engineer, I develop tools to configure, monitor and maintain Escenic web application on Amazon Cloud. Some of my other tasks include communicating customers and visit Europe customers who have their own Escenic installations. In addition to that, I also work as a frontend developer if required.

Trainee developer, District Health Information System (www.dhis2.org)

2012 - 2011

As a part of my work in Simula, I worked as a trainee developer in www.dhis2.org. Here responsibility was to develop a module of DHIS2, an web-based open source software. Using this module, a user of DHIS2 can send and receive messages to/from other users. My responsibility was to design and implement this module. Later, the module has been added to the product.

Researcher, Simula Research Laboratory (www.simula.no)

2012 - 2009

As a part of my research on overlay networking, I developed an event-based simulator to test peer-to-peer applications. In this project, the primary challenge was scalability of the s/w so that, using it, we could simulate more than 5000 hosts. I used Java to develop the simulator. Based on the simulated results, I published three research papers during this period.

Masters student, Ajou University, South Korea (www.ajou.ac.kr/en/)

2009 - 2007

During my 2 years masters in South Korean, I researched on provisioning of sensor network and mesh routing algorithms. Regarding development, my task was to implement transport control protocol (TCP) over 6LoWPAN (RFC 4919) devices. 6LoWPAN device complies with IEEE 802.15.4 in its physical and link layer standards. We used ATmega128 MCU and CC2420 transceiver units for the project. Here, I used structured C to implement the routing logic to 6LoWPAN devices. I published a couple of papers based on the implementations and other findings.

Key competence

- **Cloud (Amazon AWS and Azure)**
- **Linux (ubuntu) system administration**
- **Web hosting**
- **Scripting (Bash, Python)**
- **Java development**

- **IP networking**

Tools and technology used

Currently, I am working with the following tools and technologies: AWS Command Line Interface, Ubuntu, Bash, Varnish, Apache Tomcat, MySQL, Nginx, Nagios with Check_MK, Munin, Loggly, Git, JavaScript, JSP, JQ, HTML5, Java, XML, JSON, Escenic REST API, OTRS, JIRA.

EARLY CAREER

Company	Position	Dates
Shahjalal University of Science and Technology (SUST), Bangladesh	Lecturer, Dept. of CSE	2007-2004
Chittagong University of Engg. and Technology, (CUET) Bangladesh	Lecturer, Dept. of CSE	2004-2003
Post Graduate Diploma Instructor (PGD), SUST, Bangladesh		2003-2001

Conducted courses on networking, programming languages (C, Java), data structure and algorithms.

ACADEMIC BACKGROUND

• Researcher	Simula Research Lab, Norway	2009-2012
• Masters in Network Communications.	Ajou University, South Korea	2007-2009
• BSc in Computer Science	SUST, Bangladesh	1996-2001

OTHER INFORMATION

- In addition to my professional interest, I have a keen interest on photography and travelling.

List of Publications: In connection with my Masters and Research position, I published 10 research papers. The list of papers will be available upon request.

References: Available upon request.