

# NABIL RAHIMAN

## Computer Science Instructor / System Software Developer

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## SUMMARY

More than **13+ years experience** on various domains that varies from as software developer to Instructor for the computer Science. I am having very **strong system programming experience**. I also have very good hands on experience on **Full Stack Web Development**. Now acquiring skills in **Machine learning, NLP and AI**

## EXPERIENCE

### Researcher

#### New York University

Oct 2019 – Ongoing    Abudhabi, UAE

Currently Working With Prof Azza on building a scalable, and efficient backend database system to support interactive and realistic synthetic data generation **synner** (Internal research)

Python    Java    SPARK

### Computer Science Instructor

#### New York University

August 2015 – Ongoing    Abudhabi, UAE

My primary role in NYU Abud Babhi is Computer Science Instructor. Specialized in OS projects(building OS from the scratch),Networking projects and Reverse engineering.

- Courses supported at NYUAD as an Instructor.
  - Artificial Intelligence (AI)
  - Natural Language Processing(NLP)
  - Algorithmic Foundation Of Data Science
  - Operating System(C, X-86 Assembly Programming, UNIX-IPC)
  - Computer System Organization (C, X86 assembly programming)
  - Computer Graphics (Java script, WebGL)
  - Data Structure (C++ programming)
  - Data Base Management systems (Java, SQL)
  - Computer Networking (C, UNIX)
  - Computer Security
  - Natural Language Processing
  - Introduction to Programming(Python programming)
  - Artificial Intelligence
- Other responsibilities
  - Maintaining computer system LAB server(RedHat Server/Ubuntu systems/Windows and MAC Operating system)
  - Support various departmental activities

### Research Assistant

#### Qatar University

June 2014 – June 2015    Doha, Qatar

Worked with Prof: Ryan Riley) on android computer security project collaborating with Northwestern university US (Internal research)

Python    Java

## LIFE PHILOSOPHY

*“Don’t go behind trend, go behind your passion.”*

## MOST PROUD OF

**Solo Project Completion**  
Completion of Porting of Ethernet device driver

**Hackathon champion**  
Won many prizes in National level in Debugging/Programming contests.

**Chess champion**  
Champion in 2010 IBM ISL chess competition

**Student’s feedback**  
Appreciation received from students on my Teaching commitment

## STRENGTHS

Pands    Machine Learning    AI  
scikit    C    Socket programming  
Python    X86 Assembly Programming  
WebGL    C++    Java script    Java  
PHP    Mysql    HTML    CSS

Reverse Engineering    Data Structure  
Kernel programming

Full Stack Development    django

Linux    Redhat    Aix    Ubuntu    BSD  
OSX    Windows

## EXPERIENCE

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### Member Technical Staff 4

#### Juniper Networks

📅 2013 - 2014

📍 Bangalore, India

Part of the project to upgrade JUNOS from BSD6 to FreeBSD 10, additionally packed with a lot of goals such as to keep Free BSD OS as pristine as possible and only introduce those JUNOS related changes that could commit back to the FreeBSD, to easily upgrade any FreeBSD OS in future. Fix all kind of issue from either user space or kernel during this transition.

BSD operating system

C/C++

Kernel Programming

Socket Programming

### Member Technical Staff 2

#### Netapp

📅 2010 - 2012

📍 Bangalore, India

Participate in any/all phases of the product development cycle: from product definition and design, through implementation, debugging, testing, documentation and support of RAID component for the Data ONTAP operating system. Resolve defects and issues found by customers or through internal development and QA testing. Work collaboratively with cross-functional teams, and be willing to take on any engineering tasks that contribute to the progress towards the goals of the team and the company.

ONTAP

C/C++

Kernel Programming

RAID

WAFL File system

### System Software Engineer

#### IBM Labs

📅 2008 - 2010

📍 Bangalore, India

Development and Support for all AIX user space tools, main Involved in dbx(debugging tool), KSH(Korne shell) and C-library user space tools. Closely worked with development team to make C interpreter for dbx. So that user can add there on commands by customizing their script.

AIX

C/C++

Kernel Programming

dbx

KSH

LEX

YACC

### Software Engineer

#### iCalibrator

📅 2006 - 2008

📍 Bangalore, India

iCalibrator is cooperate training company founded by Ex-CTO of Sun Micro-system.

My responsible are as follows

- Worked as as C UNIX Programming trainer and developer for various online teaching tools (BSD Library, Custom Unix shell)
- Developed Virtual Environment for Client Server Program to simulate real-time network simulation
- Ported Atheros device driver from Linux OS to Solaris OS

gdb

C/C++

Kernel Programming

Device Driver development

solaris

Linux

## EDUCATION

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B.tech. in Computer Science

🏛️ Cochin university Science and Technology, India

📅 Sept 2002 - May 2006

## LANGUAGES

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English

Arabic



## REFEREES

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Prof. Ryan Riley

@ On request

✉️ Carnegie Mellon University Qatar

Prof. Alex Delis

@ On request

✉️ University of Athens

Sherif kottapuram, Ex-CTO Sun Micro system

@ On request

✉️ CEO Possibolt Solution, Bangalore

## HOME ADDRESS

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House Name: NASHWA,  
Chokli,  
Kannur,  
Kerala,  
India-67072.