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## IN SUMMARY

As a highly motivated and senior software architect, while having spent more than 12 years in developing and architecting enterprise and distributed software for international companies, my skills cover a wide variety of development tools and platforms. The enterprise projects which I've been involved include a wide range of technologies, patterns, and concepts based on embedded C, C++, Java, Scala, Python, relational and NoSQL databases, etc. As a senior software engineer, I have strong hands on writing codes with various programming languages including C, C++, Java, Scala, Python, and bash scripting while having best practices and enterprise patterns in mind. As a distributed system engineer, I've always encountered with strict and tough functional and non-functional requirements in which security, performance, data consistency, distribution of resources, fault tolerance, high availability, authentication, and authorization have been among them. Recently, I've been working as an expert software engineer at TomTom as a part of Search team in order to make it better and give the customers a better search experience.

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## TECHNICAL SKILLS

Programming Languages: C++, C, Java, Python, Scala  
Operating Systems: Linux (Ubuntu, Red Hat), UNIX like OSs (Mac OS, FreeBSD), Windows  
Scrum: Jira, Fisheye, Confluence, Bitbucket, Stash  
Build Systems: CMake, Ninja, Gradle, Maven, SBT  
CI: Jenkins, QuickBuild

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## LATEST EMPLOYMENTS

### •TomTom

Netherlands, Amsterdam

September 2017 - December 2018 (1 year, 4 months)

#### Expert Software Engineer

- *As an Expert Software Engineer:* I was part of the Search team inside the Navigation PU. We were working on different search engines utilizing different kinds of maps, exposing search and POI information services as some RESTful endpoints (NavKit Worker) hosted on AWS/Azure cloud platforms, and as an embedded native engine (NavKit) for QNX, Android and iOS devices.
- *Development Environment:* Ubuntu, Mac OS, and QNX as operating systems - Perforce and git as SMC - Test development using JUnit and Google Test mixed with bash scripts to run tests- Jira, Fisheye, Confluence, Bitbucket, and Stash as scrum tools - C++ 11, Java, Scala, and Python as programming languages - AWS and Azure as clouding platforms - Spring Web and Security for cloud based NavKit Worker - Jenkins and QuickBuild as CI machinery

**Kamran Amini**

+31 (0) 611060215

Email: kam.cpp@gmail.com

Skype: kamcpp

Linkedin: [linkedin.com/in/kamcpp](https://www.linkedin.com/in/kamcpp)

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## **Jeppesen Systems (Boeing)**

Sweden, Gothenburg

February 2017 - August 2017

**Expert Software Engineer**

## **Sahab Pardaz Co.**

Iran, Tehran

July 2016 - February 2017

**Deep Learning Research Developer, Enterprise Software Architect, Project Manager**

## **Adro Co.**

Iran, Tehran

June 2016 - February 2017

**Senior Software Architect, Senior C++ Engineer**

## **Noavaran Tejarat Gostar Naeem Co.**

Iran, Tehran

April 2015 - October 2016

**Chief Technical Officer, Senior Software Architect, Senior C/C++ Developer**

## **Sahab Pardaz Co.**

Iran, Tehran

February 2015 - June 2015

**Distributed Systems Architect, Senior Java SE/EE Engineer, C++ Engineer**

## **FOREIGN LANGUAGES**

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Persian(**Native**), English(**Fluent**), French(**Intermediate**), Dutch(**Intermediate**)

## **EDUCATION**

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- 2017 - Present  
The Open University  
**Bachelor of Science in Physics (Astronomy and Planetary Science)**
- 2004 - 2008  
University of Isfahan  
Isfahan, Iran  
**Bachelor of Software Engineering**

## **INTERESTED IN**

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- *Physics and Astronmty*: Consmology, Astronomy, Quantum Physics, Quantum Mechanics, Particle Physics, Special and General Relativity, Theory of Everything, Photonics.
- *Mathematics*: Linear and Abstract Algebra, Probability Theory, Information Theory
- *Cryptography*: Information Security, Network Security, Security Algorithms, Quantum Information Theory, Quantum Key Distribution, Quantum Cryptography
- *Philosophy*: Western Philosophy, Sociology, Economics, Politics and Humanities
- *Telecommunications*: Modulation, Multiplexing, Codes, Telecommunication circuits, Photonics and optical fibers, IEEE 802.3 Protocols, Information Theory, Coding Theory, Computer Networks, etc
- *Music and Musicology*: Classic, Extreme Metal, Alternative Metal, Progressive Metal, Alternative Rock, etc