Curriculum vitae

MEZGANI Ali
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Date of birth: 1978.05.19, Rabat, Morocco.
Citizenships: Moroccan.
Native language: French.
Language courses: English (advanced), German (Novice)

2004 : Institute of Engineering in Mathematics and Computer Sciences - University of Valenciennes, France
Development of a search engine to index researcher's draft in (PHP, MySQL), exports publications into ps and pdf
Development of a translator multi-languages implements hachage functions in PHP and NoSQL database
Development of RESA application in (PHP4, MySQL, XML and POP3) UML modelling in Umbrella, OS: FreeBSD

2006 : Master computer science in information systems - ISTV
Development of a compiler (Virtual machine) in C language that implement an LALR languages
Bipartite networks against attacks and failure (Poisson distribution)

2006 : AFNIC– Paris. Senior Network CP and Security Engineer
Development of a Puzzle Game (Naval battle) over network for two person over Internet protocol in Java
Migrate AFNIC networks from Cisco manufacturer to Juniper and Netscreen firewalls
Implementing a robust mesh of intelligent hub HP-Procurve

2007 : AL Baraka - Rabat. Chief information security officer - CISO
Development of a scanner web application in Python (Social media, Json, XML, Intelligent threat of exception, injective, surjective functions as example of kind of scanning)
Development of a browser in C++ and Qt based on Webkit Mozilla engine
Development of noor operating system based on Linux Kernel for ARM architecture (Qemu Simulator)
Development and design of a platform for SMS pushing using Kannel for a Banking structure

2011 : Native LABS – Rabat. Co-Founder and CTO
Development and objects modeling of an IUTMS (Intelligent Unified Threats Management System) modelling in XMind
Development of a Iot web platform: Tunnel Broker IPv6 / IPv4 as a Transition methods (RFC 3053) (Python, C, Makefile)
Development of the web social media platform Dikr for monajat sharing in (PHP, MySQL) with vote option and messaging
Modeling SDN libraries in Laravel framework and creating a platform for interconnecting remote networks (Iot, cloud platform, routing engines, ...)

2014 : Capgemini - Rabat. Senior Infrastructure and security Consultant
N4 support, Security referent, Linux and Network expert

2015 : DXC Technology (Hewlett Packard Enterprise and CSC) - Rabat. Senior Delivery Lead Linux
Release of many patches in Python for Citrix application
Development of harp tool to stop MITM attacks and notifier in Bash, Perl and Python for Citrix infrastructures

2019 : Native LABs (Research in Interactive IT Laboratories) - Rabat. Engineering Director
LALR for imperative language named PASP and reverse engineering of ADA compiler GNAT
Reinventing head overflow in MIPS, ARM, and x86 architectures
Creating and design of the protocol embedded IRIZ as header in Babel
Continuity and Re-design of the Operating system Noor for Babel services on MIPS appliances
Creating and modeling secure infrastructure for root servers -K in Morocco
Importing and implementing k-root.servers.net, debian.ma, ntpl.ma, cert.ma in Morocco
Strength of root servers against attacks and failure (Ripe, Academia, ResearchGate)

2020 : P.hD student in I.A applied for cybersecurity. University Mohammed V faculty of science. Human interface machine