

Bernard Kazour

MS Computer Engineering

Nationality: Lebanese

Date of birth: 13 May 1987

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Overview:

Computer Engineer with extensive experience in all phases of new product development from the basic design stages till final production. Proficient in software designs and computer architecture, as well as hardware implementation, with good experience in .NET as windows form applications or web applications. Intermediate knowledge in machine learning and artificial intelligence algorithms. Ability to work cross-functionally with engineers in multiple departments. Excellent written, verbal, and interpersonal communication skills.

Professional Experience

August 2016 –Present *Saheel Soft-Zalka / Lebanon -*

- **Technical Project Manager:**
 - Responsible for overseeing and developing the Company's main application: A platform created to manage Endurance Races and digitize Equine National Federations
 - Managing new projects and expanding the company's technological knowledge.
 - Preparing Studies for new projects and composing detailed project offers and timelines.
 - Plan and Audit IT Operational activities and optimize procedures for best performance

August 2010 –July 2016 *Alfa-Furn el Chubak / Lebanon -*

- **Software Engineer**
 - Development of internal software related to customer service to facilitate and optimize customer service as well as optimize database functionalities.
 - Preparing studies for multiple projects within the Telecommunication Industry and evaluating their corresponding RFPs.
 - Tackling major problems and blocking points that occurs during normal operational work and finding their optimal solution.

July 2008 – June 2010 *Multilane SAL - Houmel / Lebanon -*

- **Software Engineer**
 - Design, coding, and implementation for most company graphical user interfaces to support high speed telecom hardware, as well as development of standalone Software for general purpose usage.
 - Optical EYE Diagram Measurements.
- **Embedded System Engineer** (Microcontroller and FPGA)
 - Embedded system control for high frequency measurement and test equipment.
 - XFP pluggable for CISCO fiber optic routers (XFP-EO).

- USB firmware & drivers.
- Sonet framer Design and Implementation.
- CFP motherboard Design and Implementation.
- CXP Design and Implementation.
- Hardware Testing and Verification of design.

June 2007 (current) ***Freelance consultant*** - Self-employed - Major implementations:

- Web Applications.
- School Alarm System.
- 2-D PCB Automated Drill (BS Graduation Project).
- Serial Controller (GUI + hardware implementation).
- High Speed Logic Analyzer (MS Graduation Project).
- UOB GIS field work.

March 2006 - 2010 ***University of Balamand***

- Computer lab supervisor for consecutive semesters.
- C/C++ lab, and extra sessions tutor.
- Microcontroller tutor.
- Graduate assistantship (Teaching assistant).

Education

University of Balamand – Lebanon

2008 - 2009: MS Computer Engineering – Hardware/Software option

University of Balamand – Lebanon

2005 - 2008: BS Computer Engineering – General option

Saint Joseph School – Batroun – Lebanon

2005: Lebanese Baccalaureate in Science General (SG)

Professional Skills

- High level programming (C, C++, .NET Framework...)
- High level of experience in OOP, design patterns, API designs and webservice
- Good experience in Web development and UX (HTML, PHP, ASP.NET, CSS, MVC, JavaScript, NodeJS...)
- Good Experience in cross platform tools such as Xamarin and application package management
- Good experience in cloud platforms (Amazon Web Services, Windows Azure)
- Intermediate knowledge in Machine Learning and AI Algorithms (Logistic Regression, Neural Networks, Support Vector Machines...) along with their implementation under Python3 using Keras and Pytorch.
- Basic Knowledge in Cobol programming language.
- Database Design and Implementation (MSSQL, Oracle DB)
- Good knowledge in low level programming (Assembly for PIC Microchip MCU and PIC Digital Signal Controllers)
- FPGA design architecture and simulation using verilog (Altera, Xilinx)
- Encryption
- Embedded systems design and implementation (Microcontrollers)
- Sensors interfacing (USB, UART, SPI, I2C, I2S, IEEE-MDIO, 1-wire...)
- Languages: English and French (Advanced level)

Awards and Certificates

- Alma Maalouf' Award for the best senior project done at the faculty of Engineering – University of Balamand – 2010
- Second Prize winner in the "Discover Your True EyeQ(TM)" VScope Engineering Design Challenge, California, USA
- Student Excellence Award by the Professors of the Faculty of Engineering – University of Balamand – 2010
- Accepted candidate and Participating in Facebook Pytorch Challenge (ended January 9-2019)
- Dean's honor list for five consecutive semesters during the B.S degree (2005-2008)

Trainings

- October 2018: Artificial Intelligence for Business – Udemey
- September 2018: Artificial Intelligence - ColumbiaX - CSMM.101x, Edx
- April 2018: Face Detection – Master Open CV with Digital Image - Udemey
- February 2018: Deep Learning A-Z: Hands On Artificial Neural Networks - Udemey
- January 2018: Machine Learning A-Z: Hands On Python & R in Data Science - Udemey
- November 2017: Improving Deep NN: Hyperparameter tuning, Regularization and Optimization – Deeplearning.ai, Coursera
- October 2017: Neural Networks and Deep Learning – deeplearning.ai, Coursera
- July 2017-September 2017: Machine Learning – Stanford University, Coursera
- July 2011: 10262-Developing Windows Applications with Microsoft
- August 2010: Project Management Professional (PMP)
- May 2013: Certified Secure Programmer (EC-Council)
- January 2014: Problem Solving and Decision Making
- June 2015: Ethical Hacking and Countermeasures
- August 2015: Face to Face & Body Language

Volunteer

1999-2005: Scout Member, GMB2 Group member, YMCA Monitor certificate

Interests & Hobbies

Sports (Football, Basketball, Ping-pong, Kung-fu, Swimming), Reading, Astrophysics.

References

Available upon request