PERSONAL INFORMATION

Deni Begaj

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Sex Male | Date of birth 02/02/1998 | Nationality Albanian

WORK EXPERIENCE

From April 2019 - May 2020

Hiwi at CISPA Helmholtz Zentrum

- Development of graph builder using D3.js and Angular for Verification tool.
- Development and documentation of existing Verification tool.
- Redesign and development of frontend of Verification tool.

From 2018-2019

FREELANCER
Web Developer
- Development and maintenance of social media backend application for foreign start-up.
- Development of financial platform for tracking Albanian business yearly activity.
- Development of mobile App in Ionic/Cordova for the University Fitness Trail.
- Develop frontend application for a mobile shopping application in Fiverr.com.
- Development of MQTT microservices together with TimescaleDB for enhanced performance.
- Contributing to the source code of Java Android codebase.
- Development of a web site & panel for a real estate company using Angular, Material, NodeJS.
- Development of a progressive web app for a financial start-up company.

From 2016-2018

HELIUS SYSTEMS
Software Developer
- Development and maintenance of ERP systems for business and Government
- Development of the Intelligent Bus Transport System for Albanian cities
- Development of mobile application for Albanian Post (android and iOS).
- Designing and testing user friendly software.

From 2016-2017

Unique Junior Enterprise
Non-profit Organization
- Organizing Start-Up Live Tirana
- Organizing seminaries, trainings, workshops for entrepreneurs
- Exchanges for students.

From 2015-2018

Volunteer student Centre of Career (Alumni)
University of Tirana, Faculty of Economy

- Organizing activities, annual fund-raising
- Organizing workshops and open seminars with foreign professors
- Organizing annual "Career fair"

From 2013-2015

Red Cross Albania

- Education on HIV/AIDS prevention.
- Informing youths on first aid program in several cities in Albania.
- Organizing campaigns on helping poor families with food and first aid in cases of natural disaster.

EDUCATION AND TRAINING

From 2018-2020

Master in Computer Science
University of Saarland, Germany

- Security Fundamentals
- Human Computer Interaction
- Machine Learning in Cybersecurity
- Privacy Enhancing Technology
- Parametrized Verification
- Web Security
- Mobile Security
- Software Engineering
- Generating Software Tests
- Statistics with R
- Data Networks
- Optimization and Entrepreneurship

2015-2018

Bachelor in Business Informatics
Faculty of Economy, University of Tirana, Albania

- Computer programming (Java and C++)
- Operating System analysis
- Computer Architecture
- Algorithm design and analysis
- Data Structure
- Algebra Math and Analysis
- Basis of Economy
- Microeconomics
- Macroeconomics
- Statistics
- Marketing
- Business management

PERSONAL SKILLS

Mother tongue(s)   Albanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	TOEFL IBT				
Italian	B2	B2	B2	B2	B2
	CELI 3				
Spanish	B1	A2	B1	B1	A2
	Self-Evaluated				
German	A2	A2	A2	A2	A2
	Deutschkurse Internationales Studienzentrum Saar (ISZ Saar) Universität des Saarlandes				

Communication skills	▪ Enjoying working as part of a team as well as autonomously
	▪ Effectively integrating in a multicultural environment
	▪ A people-focused personality,
	▪ Experience in the delivery of presentations in workshops, meetings with clients
	▪ Able to read and also deal with difficult, high-pressured situations

Organisational / managerial skills	Great organizational skills acquired as a member of the following organizing teams:

- Arrangements of meetings with customers for user experience and future features in their business ERP system, Helius Systems
- "Career fair 2017", Career Centre (Alumni)
- "Start-Up Live Tirana #6", 2017
- "Career fair 2016", Career Centre (Alumni)
- "Start-up Live Tirana #5", 2016

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
PROFICIENT USER	PROFICIENT USER	PROFICIENT USER	PROFICIENT USER	PROFICIENT USER

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

Computer skills	▪ Windows Xp/7/10, Linux, CentOS, Ubuntu, MacOS, MS Office
	▪ VirtualBox, VMWare, Parallels
	▪ Javascript, Typescript, CoffeScript, NodeJS, ExpressJS, SailsJS, AngularJS, Angular (2-9), ReactJS, Redux, ReactNative, Ionic Cordova (1-6), VueJS, EmberJS, Polymer, jQuery, Material Design, Bootstrap, Sass/Less/Scss, D3JS, ChartJS, Google Charts
	▪ C++, Python, Django, Flask, Jupyter, TensorFlow, Keras, C#, ASP.NET, CSLA.NET, .NET Core, Java, Spring, Android Mobile, Ruby, Rails, PHP, Laravel, Lumen
	▪ Web Service, Rest API, Web Site, Web App, Single Page App, Electron App, Desktop App, Native Mobile App, Hybrid Mobile App
	▪ SOAP, REST, XML, JSON, Protobuf, MQTT, HTTP 1/2, QUIC, MQTT
	▪ SQL Server, PostgreSQL, MySQL, TimescaleDB, Redis, MongoDB, RethinkDB, Elastic Search
	▪ Visual Studio, Eclipse, Android Studio, PyCharm, VS Code, Webstorm, Sublime Editor
	▪ Adobe Photoshop, Adobe Illustrator, Figma
	▪ Git, Gitlab, Github, Bitbucket, Trello, Jira
	▪ Docker, Kubernetes, Portainer, DockerHub, Jenkins, CircleCI, TravisCI, Gitlab Pipelines

Driving licence	B – Category (Albanian Driving License)

ADDITIONAL INFORMATION

Courses

1. Full Stack Web and Multiplatform Mobile App Development Specialization, by The Hong Kong University of Science and Technology, **Coursera**
   a. Front-End Web UI Frameworks and Tools: Bootstrap 4
   b. Front-End JavaScript Frameworks: Angular
   c. Multiplatform Mobile App Development with Web Technologies: Ionic and Cordova
   d. Server-side Development with NodeJS, Express and MongoDB

Certifications

1. Microsoft Certified Professional
2. Microsoft Specialist: Programming in HTML5 with JavaScript and CSS3
3. Microsoft Certified Solutions Associate in Web Development, ASP. Net
4. Microsoft Certified Solutions Developer: App Builder

Note: The certifications can be validated at:
https://mcp.microsoft.com/Anonymous/Transcript/Validate
With **Transcript ID**: 1223711
And Access **Code**: 123456789