

PERSONAL INFORMATION



Deni Begaj

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

WORK EXPERIENCES

Oct 2023 – Jan 2025

Olivaw GmbH
Senior Fullstack Developer

- Developed microservice architecture with NestJS, MongoDB, RabbitMQ, Elastic, Redis.
- Developed frontend backbone with NextJS React, Mui Components, RJSF forms, Nivo Charts.
- Conceptualized and designed many frontend workflows and components, such as robot live data board, robot settings and configs, robot operation panel, discovery & import of robots.
- Lead a medium-sized team of outsource and in-house developers

Jan 2021 – May 2023

ROBOTISE AG
Senior Cloud Developer

- Developed microservice architecture with Typescript, Koa, MongoDB, RabbitMQ, Elastic, Redis and many adjacent technologies.
- Refactoring, code review, performance improvements.
- Designed and implemented cloud communication to robots and other IoT devices, including robots and smart buildings communication. Elevators integrations, automatic doors integrations.
- Took part in design, development and delivering in many parts of robot-cloud features, such as: robot configuration in the cloud, robot twins, site configurations, email notifications, e-payments.
- Proactive review on UI/UX topics and User Flows in order to optimize team processes.
- Well performed under AGILE philosophy and SCRUM methodology, interacted with other teams to solve problems efficiently.

Nov 2020 - Oct 2021

FREELANCE
Fullstack Developer

- Tutoring students and developers on Javascript, Python, C#, Java topics.
- Code review, code quality assessment, code testing in Javascript.
- Frontend development with Angular and React
- Backend development with Express and KOA.
- Writing scripts and task runners in NodeJS.
- Data housekeeping in MySQL, clean up obsolete data, correctness checks, data analysis, query improvements.
- Connecting and communicating to Amazon API, Google Cloud API.

April 2019 - May 2020

CISPA HELMHOLTZ ZENTRUM
Frontend Developer

- 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.

EDUCATION AND TRAINING

From 2018-2020

MSc 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

BSc 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	A2	A2
			Self-Evaluated		
German	C1	C1	B2	B2	B2
			TELC B2		

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

Computer skills

- Windows, Linux, Ubuntu, MacOS
- Javascript, Typescript (5 years)
 - NodeJS, ExpressJS, SailsJS, KoaJS, (3 years)
 - Angular (1-17) ReactJS, Redux, ReactNative (3 years)
 - Ionic Cordova, VueJS, EmberJS, Polymer
 - Material Design, Bootstrap, Sass/Less/SCSS, (3 years)
 - D3JS, ChartJS, Nivo, Google Charts (1 year)
 - Python, Django, Flask, Jupyter, TensorFlow, Keras (1 year)
 - C#, ASP.NET, CSLA.NET, .NET Core (3 years)
- Web Service, Rest API, Web App, SPAs, Electron Desktop App, Native Mobile/Hybrid Mobile App
- XML, JSON, Protobuf, MQTT, HTTP 1/2, QUIC, TCP
- MongoDB (6 years), SQL Server/PostgreSQL/MySQL (3 years), Redis, ELK Stack(4 years)
- VS Code, Visual Studio, Eclipse, Android Studio, PyCharm
- Copilot, ChatGPT, Gemini, DrawIO, Miro, Trello
- Git, Gitlab, Github, Bitbucket, Trello, Jira (5 years)
- Docker, Kubernetes, Portainer, DockerHub, Jenkins, CircleCI, TravisCI, Gitlab Pipelines (2 years)

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: Angular & Bootstrap
 - b. Multiplatform Mobile App Development with Web Technologies: Ionic and Cordova
 - c. 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
4. Microsoft Certified Solutions Developer: App Builder