



Alexandros Zerntev

Software Engineer - Data Scientist

CONTACT

Athens, Ilion 13122

+30 6983635992

alexzerntev@gmail.com

GitHub

LinkedIn

Medium

LANGUAGES

Greek

Native

Russian

Native

English

C2

SKILLS

JavaScript

Angular, AngularJS, React, TypeScript

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Python

Numpy, Pandas, Matplotlib, Tensorflow

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C#

.Net Framework, .Net Core, Entity Framework, Windows Forms

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Operating Systems

Linux, Windows

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CSS

Bulma, Bootstrap, TailwindCSS, Prime

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Databases

SQL (MySQL, MSSQL, ORACLE), MongoDB

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Other Languages

Java, C, C++, PHP, Scala

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EXPERIENCE

2021 - Present

Software Engineer - AI Engineer

RAW Labs

Projects: **MXCP** - An MCP production ready framework. **Snapi** (Snippet - API) - functional query language (Parser, semantic analysis, compiler implementation with GraalVM/Truffle), **RAW Platform** - Design, Angular frontend, VS Code extension

2017 - 2021

Full Stack Software Engineer

Hellenic Air Force

Projects: **Covid-19 SPA** (Covid incidents entries, vaccinations entries, epidemic actions guidance for doctors, statistics for HQs, critical condition patients live auditing, Command and Control separation of concern), **Healthcare Financial Management** (Healthcare invoices and expenses entries, state tracking, amounts computation automation, integrity evaluation), **Human Resource Healthcare Management** (Social security employees and members management, employees health issues history management)

2016 - 2017

Software Developer

Hellenic Army Information Technology Support Center

Project: **Unified National Defence Document Management System** (Document creation, digital signing, commenting, distribution, task assignment and progress tracking, Navy - Army - Air Force interconnection)

2015 - 2016

Junior Software Developer

Hellenic Air Force

Projects: **Document Management System** (Document creation, digital signing, commenting, distribution, task assignment and progress tracking, based on organization specific needs), **Command And Control Application** (Monitoring of operational availability)

EDUCATION

2020 - 2024

Master's Degree in Data Science and Information Technologies

National and Kapodistrian University of Athens, Department of Informatics and Telecommunications

Specialization: Big Data and Artificial Intelligence

Thesis: Development of just-in-time query operators for complex data using partial evaluation

2017 - 2019

Bachelor's Degree in Computer Science

National and Kapodistrian University of Athens, Department of Informatics and Telecommunications

Specializations: Data and Knowledge Management, Software

2014 - 2015

Software Developers School

Hellenic Army General Staff

2010 - 2012

Bachelor's Degree in Radar Communication and Systems Technology

Hellenic Air Force NCO's Technical Academy

RESEARCH EXPERIENCE

- **Semantically Assisted Loop Closure in SLAM Using NDT Histograms**

IEEE Intelligent Robots and Systems (IROS) 2019

2019

Zaganidis A., Zerntev A. Duckett T., Cielniak G.

VOLUNTEERING

- **7th Human Brain Project Summit**

Hosted by "Athena" Research and Innovation Center

2020

PERSONAL INTERESTS

Learning

Martial Arts

Fitness