Cosmin-Nicolae Bresug

Software Engineer

Computer Science graduate with an additional background in Cybersecurity, technology enthusiast, hard-working and reliable individual, looking to work in a fast-paced and challenging environment.

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WORK EXPERIENCE

Client Engineer
Thought Machine

08/2020 - Present   *London, United Kingdom*
Achievements/Tasks

- Worked with proprietary solutions to help clients build financial products by using Python to create Smart Contracts and Workflows
- Developed new functionality for our product using Python and Go
- Deployed and upgraded environments based on Kubernetes
- Analyzed and delivered requirements to high-profile clients such as Lloyds Bank, ING, Intesa San Paolo and JP Morgan Chase

Software Engineer
Bank of America

07/2019 - 08/2020   *London, United Kingdom*
Achievements/Tasks

- Worked on a main trade settlement platform using Scala, as part of a regulatory project
- Developed an application for managing and monitoring acceptance testing on internal components using Scala and React
- Worked on a platform for displaying trade data using Tableau

Software Engineer
GenieAI

09/2018 - 07/2019   *London, United Kingdom*
Generating law contracts using Artificial Intelligence

Achievements/Tasks

- Worked on a platform for drafting contracts using Machine Learning, connecting lawyers and clients
- Implemented the platform using MEAN stack and GraphQL
- Analyzed and delivered requirements from advisors in the industry

Summer Internships:
Software Engineer @ Rightmove (2017); Summer Technical Analyst @ Bank of America (2018)

EDUCATION

MSc Cybersecurity - Information Security
Georgia Institute of Technology

08/2019 - 08/2021   *Atlanta, USA*
Courses

- Summa cum Laude Honors (3.9 GPA)
- Network Security
- Binary Exploitation Lab
- Intro to Information Security
- Secure Computer Systems
- Cybersecurity Practicum

BSc Computer Science
University College London

09/2015 - 06/2018   *London, United Kingdom*
Details and Courses

- First Class Honors Degree
- Machine Learning and Neural Computing
- Systems Engineering
- Object-Oriented Programming
- Networked Systems
- Computer Systems

SKILLS & COMPETENCES

Java · Python · C++ · C# · Android · JavaScript · React · Angular · Spring · Kubernetes · PHP · Scala · Node.js · Machine Learning · Jenkins · Docker · Unity · Blender · TypeScript · Testing

PERSONAL PROJECTS

AntIDOR (MSc Dissertation Project) (Summer 2021)
- Platform for analysing and detecting Insecure Direct Object Reference vulnerabilities on API endpoints

Orderee (2021 - 2022)
- Platform for digitalising and unifying the main systems of a restaurant while integrating an easier way for customers to interact with the venue

NHS Dialogue Analysis (BSc Dissertation Project) (2017 - 2018)
- Platform for recording and transcribing dialogue in order to find correlations between gaps in speech and mental health

Brain.WAV - First prize winner at HackKings 3.0 (11/2016)
- App that generates music based on brainwaves and Neural Networks

UTILIS - First prize winner in Yoyo Playground (11/2015)
- Android application which tries to simplify the ordering system in crowded shops by using Estimote API and Yoyo API

CERTIFICATIONS AND ACHIEVEMENTS

Microsoft Professional Program: Data Science (02/2017)
https://academy.microsoft.com/en-us/certificates/f209f42a-6aab-471b-97d4-747b1f96e1a0

Machine Learning A-Z™: Hands-On Python & R In Data Science

Complete Java Masterclass

Angular - The Complete Guide

Enterprise Bootcamp UCL (06/2016)

UCL Quantum Computing Summer School (2018)

LANGUAGES

Romanian
Native or Bilingual

English
Expert

French
Upper-intermediate

German
Upper-intermediate

INTERESTS

Basketball · Tennis · Skiing · Swiming · Technology · Artificial Intelligence · Security