

Nikolas Iliopoulos, BSc

Software Engineer

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Experience

ICAP CRIF

Software Engineer | Outsourced by [Agile Actors](#) | 02/2022 – Present

- Converted monolithic programs to a web services-oriented architecture.
- Developed 3 Restful APIs and maintained about 8 Restful APIs using Spring Boot and deploying them with Jenkins and Docker. Scalability and reliability always are top priority.
- I had the chance to use Playwright to build a web crawler. I discovered various flaws in the website that allowed the crawling to operate much faster.
- Used threads to make a time consuming task (1 day) almost 50% faster.
- Used ABBY OCR and Apache Tika to apply regex and extract data from documents.
- My main programming language is Java, especially version 11 but I worked with 8 and 17.

Education

Bachelor's degree in Computer Science | 10/2018 – 02/2023 | Grade: 7.36

[National & Kapodistrian University of Athens](#), [Department of Informatics and Telecommunications](#)

Projects

- **[BidPoint](#)**: A platform where you can bid for items.
Used **React.js (Javascript)** for the Frontend and **Spring Boot (Java)** for the Backend.
Features:
 - OAuth2, Signup with acceptance from Admin Page
 - Crud operations for items
 - Bidding logic: winner, synchronized bids, etc.
 - Recommendation algorithm
- **[InvertedSearchEngine](#)**: (SIGMOD) A Keyword Matching in documents in **C++**. Developed Trees, Hash Tables and Lists. Word matching with edit and hamming distance.
(1 thread: 1395ms. Best time with 5 threads: 520ms)
- Compiler Projects
 - [Intermediate code LLVM creation](#)
 - [Compiler for MiniJava \(subset of Java\)](#)
- Artificial Intelligence & Machine Learning Projects
 - **Berkeley Pacman [Project 1](#) | [Project 2](#)**: Implemented depth-first, breadth-first, uniform cost, A* search, multiagent minimax and expectimax algorithms, as well as designing evaluation functions.
 - [Transformers](#) | [RNN with LSTM & GRU cells](#) | [FeedForward Neural Network](#)

Skills

- Spring Boot, Maven and Spock
- Spring Data, Spring Security
- Apache Kafka, Tika, Poi
- RabbitMQ
- Redis for cache
- Node.js with Express.js
- C, C++, Java, Javascript, Python
- PyTorch, pandas, Scikit-Learn
- Docker, Docker Compose, Kubernetes
- ElasticSearch
- SQL & NoSQL (Mongo, Postgres, Db2, MySQL)
- React

Languages

- Greek, native
- English