

# Victor Aysev

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## Summary

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Software Engineer with 5 years of experience in Java Spring Boot, Python, PostgreSQL Kafka, React and GCP. Proven track record in developing scalable applications, managing large datasets, and enhancing system performance. Strong background in microservices, software engineering, and DevOps practices. Open to relocation within USA and full-time W2 employment.

## Experience

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### Career Break

Fairfield, IA

*Professional Development*

Aug 2023 – May 2024

- Built an open-source Python tool for job search optimization, with ~200 daily users and improving job search efficiency. ([See it](#))
- Built an open-source app using Python, Java, Spring Boot, AWS to enhance chess analysis with AI-generated commentaries. ([See it](#))
- Developed and deployed a personal portfolio using HTML, JavaScript and AWS, showcasing my skills effectively. ([See it](#))
- Completed 6 courses, enhancing technical skills in AWS, Java, Spring Boot, Javascript, HTML, Microservices and algorithms.
- Solved over 100 coding challenges on LeetCode, sharpening problem-solving abilities and improving DSA proficiency.

### Hepsiburada

Istanbul, Turkey

*Software Engineer*

Mar 2022 - Aug 2023

- Delivered real-time E-commerce data to critical systems like recommendation, achieving **30% faster data processing with Kafka**.
- Managed a clickstream data pipeline on GCP with Java microservices, JUnit tests and Python scripts, **ensuring 99.4% uptime**.
- Employed Grafana and Prometheus for real-time system performance monitoring, guaranteeing up to **70,000 users per second**.
- Crafted a Spring Boot app with PostgreSQL and REST services, **decreasing data update time from 4 days to 30 minutes**.
- Adjusted GCE virtual machines to handle peak traffic, enabling seamless **processing of 500 TB of data per day**.
- Enhanced GitLab CI/CD for GKE using Docker and Maven, **reducing release times by 30%**.
- **Used Technologies:** Java, Spring Boot, Hibernate, Python, Kafka, GCP, PostgreSQL, Docker, Gitlab CI/CD

### Sebit

Ankara, Turkey

*Software Engineer*

Feb 2021 - Mar 2022

- Developed scalable Java Spring microservices for a nationwide EdTech system, improving efficiency with Kafka and Redis.
- Delivered behavior insights to government stakeholders using PostgreSQL and Cassandra, **analyzing a 13 million user dataset**.
- Implemented dynamic cluster binding in Elasticsearch to resolve user accessibility issues, enhancing user experience.
- **Used Technologies:** Java, Spring, Kafka, PostgreSQL, Redis, Cassandra, Elasticsearch, Docker

### Everva

Ankara, Turkey

*Java Developer*

Jun 2019 - Jan 2021

- Designed microservices architecture for real-time geospatial data delivery to Ministry of Trade using Java Spring Boot and Docker.
- Improved spatial data analysis efficiency using PostgreSQL, PostGIS and MongoDB, with **optimized database queries by 35%**.
- Integrated third-party APIs for enhanced GIS capabilities, providing real time insights on trade routes and market locations.
- **Used Technologies:** Java, Spring Boot, Hibernate, PostgreSQL, Docker, Redis, MongoDB, React

## Comodo

Software Engineer

Ankara, Turkey

Dec 2017 - Dec 2018

- Created a Java Spring Boot application with PostgreSQL, Hibernate, and Docker, automating employee performance evaluations.
- Built a user-friendly interface with HTML, JavaScript, CSS, Bootstrap and jQuery, **reducing HR workload from weeks to days.**
- **Used Technologies:** Java, Spring Boot, Hibernate, PostgreSQL, Docker, Javascript, HTML, CSS

## Education

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### Maharishi International University

Master of Science in Computer Science

GPA: 3.95

Fairfield, IA

Aug 2023 - May 2024

### TOBB University of Economics and Technology

Bachelor of Science in Computer Science

Ankara, Turkey

Sep 2015 – Aug 2020

## Skills

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- **Software Development:** OOP, Software Architecture, Design Patterns, REST, Large-Scale Microservices, SDLC
- **Programming Languages:** Java (Spring Boot, Maven, Spring MVC, Hibernate, Junit), Python (Flask)
- **Cloud Platforms:** GCP ( BigQuery, Bigtable, GKE, GCE), AWS (DynamoDB, EC2, Lambda, API Gateway)
- **Data & Storage:** Kafka, PostgreSQL MongoDB, Cassandra, Elasticsearch, Redis, Memcached
- **DevOps & Tools:** GitLab CI/CD, Docker, Kubernetes, Git, GitHub
- **Web Development:** HTML, JavaScript, React, jQuery, CSS, Bootstrap
- **Monitoring & Logging:** Grafana, Prometheus
- **Methodologies:** Agile, JIRA, SCRUM

## References

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- **Dr Umur Inan**, Asistant Professor of Computer Science, Maharishi International University,  
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