Dionysia Theofylaktou

Java Developer | Backend & Mobile Development

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Professional Summary

Computer Science graduate transitioning from education to software engineering. Holds an M.Sc. in Advanced Informatics and Computing Systems with hands-on experience in Java, Spring Boot, and Android/mobile development gained through academic studies and recent projects.

Technical Skills & Languages

- **Core Technologies:** Android SDK, Spring Boot, Java , Python, Hibernate, JPA
- **Databases & Cloud:** MySQL, PostgreSQL, NoSQL, Cloud Firestore, Firebase
- **Languages:** Greek (Native), English (Professional)
- **Networking:** TCP/IP, UDP, DNS, DHCP
- **Development Tools:** Maven, Docker, Git, UML, IntelliJ
- **Architecture:** RESTful APIs, Microservices, Design Patterns

Education

2019 - 2022 **M.Sc. Advanced Informatics and Computing Systems | University of Piraeus**
Grade: 9.03/10 • *Specialization: Advanced Software Development Technologies*

2008 - 2019 **Diploma Applied Mathematical and Physical Sciences | NTUA**
Grade: 6.5/10 • *Major: Engineering Physics*

Research Projects & Publications

2018 - 2019 **Computational Application for Natural Products Database |** *NTUA Thesis*
Platform analyzing 562 research articles, 87 organisms, 105 target genes. NoSQL/Firebase.
https://doi.org/10.1155/2021/9993518

2021 - 2022 **Personalized ID using European Blockchain Infrastructure |** *University of Piraeus Thesis*
Blockchain identity management with Self-Sovereign Identity and verifiable credentials.
https://dione.lib.unipi.gr/xmlui/handle/unipi/14917

Personal Projects

2025 **Course Management System |** *Spring Boot & PostgreSQL*
RESTful API with Java 21, Spring Boot 3.4.5, CRUD operations, course enrollment, pagination, OpenAPI. github.com/dioni-theof/course-management

2025 **Reservation System |** *Spring Boot & PostgreSQL*
Booking management with Java 21, resource tracking, scheduling APIs, capacity management.
github.com/dioni-theof/reservation-system

2025 **SmartAlert Emergency Mobile App |** *Android & Firebase*
Emergency alert app with fire/fall detection, automatic SOS, multilingual support, Java 11.
github.com/dioni-theof/smart-alert

Work Experience

2024 - 2025 **Computer Science & Networks Instructor |** *Karakaxis (EPAL), Greece*
Taught Python programming and Computer Networks (TCP/IP, UDP, DNS, DHCP, Routing). 4 students scored 90%+ in national exams.

2023 - 2024 **Computer Science & Physics Teacher |** *Diakrotima, Greece*
Delivered algorithms and pseudocode curriculum to final-year students. Developed lesson plans and supported national exam preparation.

2021 - 2023 **Academic Lead – Science Subjects |** *Mikro Panepistimio, Greece*
Led curriculum development, implemented data-driven progress tracking, managed personalized learning plans across multiple levels.

2019 - 2020 **STEM Instructor |** *Mouseio Peiramaton, Greece*
Designed hands-on programming activities with LEGO® Education kits. Taught mechanics, electronics, and problem-solving principles.