

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
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
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.