Lorin Șpan

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SKILLS

- **Technologies** - Java, C/C++, Spring Boot, TypeScript, Angular, Node.js, Python, PostgreSQL.
- **Competences** - Parallel Programming, Algorithms, Data Structures, Design Patterns, Object-Oriented Design, Problem Solving, Agile/Scrum Methodology, CI/CD Version Control, UX Awareness, Documentation.

EDUCATION

Master's in Advanced Software Technologies
Politehnica University of Bucharest, ETTI   *2023.09-Present*

Bachelor of Electronics & Information Technology
Politehnica University of Bucharest, ETTI   *2019.09-2023.07* **GPA: 9.4/10**

EXPERIENCE

Hewlett Packard Enterprise   Bucharest, Romania
Software Engineer   *2023.01-Present*

- **Workflow refactorization:**
  - Independently led a comprehensive refactorization of a workflow tailored to new specifications, with a focus on improving scalability.
- **Front-end & Back-end Development:**
  - Developed, expanded and optimized an operator-utilized application (**Corporate Voice Solutions - DTAG**), incorporating user-driven features.
  - Utilized **Angular** (front-end) and **Spring Boot** (back-end) for responsive and efficient UI enhancements.
  - Proactively identified and resolved bugs in both front-end and back-end systems, collaborating with the team to enhance overall product reliability.
- **Documentation:**
  - Generated and updated project documentation to accurately capture modifications and updates.
  - Ensured clear and user-friendly documentation, making it accessible for operators to understand and effectively utilize the application.
- **Mentoring:**
  - Mentored a new intern, facilitating their project onboarding, and conducted code reviews to enhance their learning.
- **Unit Testing with JUnit & Mockito**:
  - Developed thorough unit tests to guarantee code reliability and functionality, achieving an **extensive 90%** coverage across the entire project. This significant improvement from the **initial 7%** ensures a comprehensive evaluation of the entire codebase.

Hewlett Packard Enterprise   Bucharest, Romania
Software Engineer Intern   *2022.07-2022.12*

- Designed and developed a dynamic web application, creating an **online catalog** with full CRUD functionality. Utilized **Angular** for the front-end, **Spring Boot** for the back-end, and **PostgreSQL** for the database, showcasing proficiency in diverse tools and frameworks and a commitment to professional growth.

PROJECTS

Mobile & Web Savings Manager
Developed a mobile app using **Java** and **Android**, alongside a web app using **Angular**, seamlessly integrating **Firebase** for efficient data storage. Proficiently handled permissions and real-time data updates, enhancing both user experience and application functionality. The multi-platform system was designed for comprehensive management of savings, investments, budgets, and payments, featuring automatic reading capabilities for invoices and receipts using OCR.