



Arbjon Bardhaj

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Gender: Male **Date of birth**: 08/11/2005 **Place of birth**: Tirana, Albania **Nationality**: Albanian

ABOUT ME

I am a motivated and self-driven software developer with hands-on experience in backend development, AI-driven platforms, and startup environments. Currently contributing to EssayEye, a US-based edtech startup, where I work on improving system architecture, implementing new features, and helping drive technical strategy. I adapt quickly to new technologies, take initiative in solving complex problems, and collaborate effectively with cross-functional teams. With experience in Express.js, AWS, and modern development practices, I am focused on building scalable solutions while continuously improving my technical and leadership skills.

WORK EXPERIENCE

Essay-eye essayeye.com

City: Pico Rivera, California | **Country**: United States | **Business or sector**: Information and communication

[18/07/2025 – Current] **Fullstack engineer**

Code Quality & Refactoring: Led the comprehensive **refactoring of the existing Express.js codebase** to significantly improve architectural structure, security standards, and overall maintainability.

Core Feature Implementation: Designed and delivered new, complex backend features, including enhanced **file handling**, **robust authentication systems**, and specialized assistant customization functionality.

Agile Issue Resolution: Managed and resolved high-priority technical issues and implemented new features derived from the **Jira board**, ensuring product stability and continuous delivery.

Infrastructure Proposals: Contributed to technical roadmaps by proposing key infrastructure improvements, such as **AWS best practices** and code modularization for scalability.

Collaboration: Maintained workflow efficiency by coordinating task assignment and tracking with the development team via Jira and Slack.

EDUCATION AND TRAINING

[07/10/2024 – Current] **Bachelor of Science in Computer Science (ongoing)**

University of Tirana, Faculty of Natural Sciences fshn.edu.al

City: Tirana | **Country**: Albania | **Field(s) of study**: Information and Communication Technologies | **Level in EQF**: EQF level 6

Software Development: Strong foundation in **Object-Oriented Programming (OOP)** principles and methodology using languages like **Java** and **Python**.

Data and Algorithms: Proficiency in the design and analysis of efficient **Data Structures and Algorithms** for problem-solving.

Database Management: Practical experience with **Relational Databases (SQL)**, including data modeling, querying, and schema design.

System Fundamentals: Working knowledge of **Operating Systems** concepts and the principles of **Computer Networking** (e.g., TCP/IP model).

Tools and Collaboration: Use of **Git** for version control and practical application of **Software Engineering** methodologies (e.g., Agile) in project development.

[20/07/2025 – 15/08/2025]

42 Piscine (Intensive Software Development Bootcamp)

42 Tirana

City: Tirana | **Country:** Albania | **Field(s) of study:** Information and Communication Technologies: • *Software and applications development and analysis*

C Programming (Unix Environment), Shell Scripting, Git version control, Peer-to-Peer Learning & Evaluation, **Strict Coding Standards**, Time Management, Resilience under pressure.

[13/10/2025 – Current]

42 Common Core

42 Tirana 42tirana.org

City: Tirana | **Country:** Albania | **Field(s) of study:** Information and Communication Technologies: • *Software and applications development and analysis*

SKILLS

Programming & Development

Javascript | MVC architecture & code refactoring | C++ | FastAPI | Python | React / Next.js | Server-Side Rendering (HBS, Express) | RESTful API development | Git & GitHub | C | NextJs

Cloud & DevOps

Docker (familiar / basic usage) | AWS (deployment, infrastructure planning) | CI/CD (GitHub Actions, future setup planning) | Render

Database & Backend Systems

PostgreSQL | supabase | Authentication systems (Auth0, JWT, Passport.js) | mongodb | File handling (image upload, validation, Sharp)

Collaboration & Tools

Jira | Google Meet | Notion | Slack | Postman (API testing) | Discord

Project & Leadership Skills

Leading feature development | Identifying and solving architectural issues | Coordinating with technical teams | Codebase analysis and refactoring plans | Reporting and roadmap planning

HOBBIES AND INTERESTS

Painting / Visual Arts

Passionate about painting and drawing since the age of 5. Participated in multiple art exhibitions locally and regionally. Skilled in various traditional and modern techniques, with a strong preference for oil painting. Experienced in sketching, mixed media, and other visual art forms. Write here the description...

Link: https://www.instagram.com/arbion_art/