Andrei-Ciprian **Barbuta**

SOFTWARE DEVELOPER / CLOUD SUPPORT ENGINEER

Bucharest, Romania

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Summary

Driven and adaptable Computer Science graduate with hands-on experience in both frontend development and cloud support engineering. I have contributed to secure, real-world Angular applications and provided advanced technical support for Apigee X and Hybrid platforms at an enterprise level. Skilled in cloud-native technologies, API management, and modern development frameworks, I thrive in dynamic, fast-paced environments where learning and innovation go hand in hand. Passionate about solving complex problems and building scalable, high-quality software solutions.

Education

Babeș-Bolyai Faculty of Mathematics and Computer Science   *Cluj-Napoca, Romania*

MASTER'S DEGREE IN **SOFTWARE ENGINEERING**   *October 2023 - April 2024*
- Relevant coursework: Agile Methodologies, Programming Paradigms

BACHELOR'S DEGREE IN **COMPUTER SCIENCE**   *October 2020 - July 2023*
- Relevant coursework: Data Structures and Algorithms, OOP, Networking, Web Development, Machine Learning
- Thesis: **Tuner and Tab Writer for Guitar Using Note Detection Algorithms**

Work Experience

Cognizant Softvision   *Bucharest, Romania*

CLOUD ENGINEER L1 - GCP   *May 2024 - September 2025*
- **Provided advanced technical support** on over **200 tickets for Apigee X and Apigee Hybrid platforms** across both **production and development environments**.
- **Monitored** cloud-native platforms using **Google Cloud Logging**, and metrics dashboards to track **API traffic, service health, and latency across** distributed environments.
- Handled role-based access and permission issues, **troubleshooting IAM, service accounts, and policy configurations** affecting API access and platform operations.
- Troubleshot Apigee Hybrid installation and upgrade issues, **identifying problems across Kubernetes clusters, runtime components, and configuration dependencies** to restore platform functionality.
- **Diagnosed and resolved networking-related issues**, including **VPC connectivity, firewall rules, load balancer behavior, and hybrid communication paths** between on-prem and cloud environments.
- Collaborated closely with **engineering teams** to **reproduce, analyze, escalate bugs and service outages**, ensuring efficient resolution.
- Maintained and continuously improved internal documentation, enabling **faster incident resolution** and strengthening team knowledge sharing.
- Managed high-priority incidents and ensured strict **adherence to SLA (Service Level Agreement) commitments** for enterprise-level clients.
- **Technologies used:** Apigee X / Apigee Hybrid, Google Cloud Platform (GCP) — IAM, Cloud Logging, Cloud Monitoring, Kubernetes, Google Cloud Networking — VPCs, HTTP(S) Load Balancers.

Accenture Industrial Software Solution SA   *Cluj-Napoca, Romania*

FRONTEND DEVELOPER INTERN   *August 2022 - September 2022*
- **Demonstrated leadership** in the design and development of a **secure, Angular-based frontend application** for **API key management**.
- Collaborated with cross-functional team members to translate technical requirements into **scalable, user-friendly UI components**.
- Implemented **best practices** in TypeScript and Angular **to ensure maintainable, modular, and high-performance code**.
- Actively contributed to **code reviews and iterative improvements**, enhancing **application stability** and **user experience**.
- **Technologies used:** Angular, TypeScript, HTML/CSS, REST APIs.

Coding Projects

Note-Wizard - Tuner and Tab Writer for Guitar Using Note Detection Algorithms
- Bachelor Thesis Java application which combines a **digital guitar tuner and real-time tab writer**, leveraging **FFT (Fast Fourier Transform) and signal processing** for **accurate note detection**.
- Created a user-friendly interface with JavaFX, **enabling musicians to tune and transcribe music seamlessly**.

Modular Dashboard
- React application built for learning purposes, that features a metronome, counter, timer and image generator. Emphasis on **reusable components and clean architecture**.
- Designed an intuitive UI for seamless user interaction and flexible functionality.

Skills

- **Backend and Scripting** - Node.js (Express.js), C++, Java, C#, Python
- **Frontend Technologies** - Javascript, Typescript, React, Next.js, HTML, CSS, Angular
- **Databases** - SQLite, PostgreSQL
- **Cloud and API Platforms** - Google Cloud Platform, Apigee X and Hybrid, Kubernetes, Docker
- **Tools** - Git, Linux
- Problem Solving and Analytical Thinking
- Collaboration and Empathy
- Adaptability and Attention to Detail

Languages

- Romanian - Native
- English - B2
- German - B1

Extracurricular Activity

Hermes Society Students UBB
Cluj-Napoca, Romania

VOLUNTEER
Oct 2020 - Oct 2021

- Demonstrated **teamwork, leadership, and organizational skills** while coordinating tasks and assisting peers.

Untold
Cluj-Napoca, Romania

VOLUNTEER
August 2019

- Assisted in **event coordination, crowd management, and on-site support**, ensuring a smooth and safe experience for attendees.