

# EMILIAN CONSTANTIN TIVLICA

Senior Full Stack Developer

## Details

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## Profile

Experienced **Senior Full Stack Developer** specializing in **high-performance web applications** with expertise in **front-end & back-end development, server management, cloud deployment, and UI/UX optimization.**

- **Front-End:** Next.js, React.js, HTML, CSS, JavaScript, Tailwind CSS, Material UI
- **Back-End:** Django, FastAPI, Node.js, PHP, Microservices
- **Databases:** PostgreSQL, MongoDB, Prisma, Redis
- **Cloud & DevOps:** Ubuntu, AWS, CapRover, Docker, Kubernetes, CI/CD (GitHub Actions)
- **Security:** JWT, OAuth, Web Security Best Practices
- **Testing & UI/UX:** Jest, Selenium, Figma-to-Code, Performance Optimization

## Employment History

### Senior Full Stack Web Developer, WOOWBA Sport Inc (Sep 2023 — Present)

- **Developing & maintaining** web applications using **Next.js, Django, FastAPI**
- **Managing cloud infrastructure**, ensuring **secure & scalable** deployments
- **Optimizing databases** (PostgreSQL, MongoDB) for high-load environments
- **Implementing CI/CD pipelines** with **GitHub Actions & Docker**
- **Enhancing security & domain management**, including **SSL certificates & DNS routing**
- **WordPress & PHP Development:** Maintained and modified **WordPress websites** for clients, including **GB Basketball**, handling **customizations, plugin integrations, and database updates**

### Full Stack Web Developer, Self-Employed, Freelancer (Feb 2019 — Sep 2023)

- Built **e-commerce and business applications** using **Django, Node.js**
- Developed **React.js dashboards** with **D3.js, Chart.js visualizations**
- Implemented **RESTful APIs** for third-party integrations and microservices

- **UI/UX improvements** for performance **optimization & accessibility enhancements**

## Education

**Pursued a Bachelor's in Computer Science, [Spiru Haret University](#) (Sep 2012 — Jun 2015)**

- **Core Topics:** Algorithms, Data Structures, System Architecture, Memory Management, Cybersecurity
- **Programming Languages:** C, Python, SQL
- **Software Engineering:** Debugging, Scalability, Optimization

**Weapon System Operator, Ministry Of Defence C.P.M "Bucegi" (Jun 2008 — Jul 2010)**

- Specialized in Defense Technology, Tactical Systems & Strategic Operations

**High School Graduation, "Alexandru Cel Bun" Light Industry (Sep 2010 — Jun 2012)**

## Courses

- [Trilogy Skills Bootcamp - Front-End Web Development](#) (Birmingham University, 2022-2023)
- [CS50T: Understanding Technology](#) (Harvard University, 2020)
- [Code Yourself! An Introduction to Programming](#) (University of Edinburgh, 2020)

## Languages

- **English** (Fluent) | **Romanian** (Native)

## Hobbies

**Coding, Tech Reading, AI & Cybersecurity Research**