

SIMION NARCIS-GABRIEL

Junior Software Engineer | Web Developer | Python & JavaScript

Bucharest, Romania • +40 727 694 913 • narcis.simion023@gmail.com • [LinkedIn](#) • [GitHub](#) • Open to: On-site (Bucharest) & Remote

PROFESSIONAL SUMMARY

Junior Software Engineer with hands-on experience building full-stack web applications and working with high-volume data systems (1M+ daily records) using Python, Django, JavaScript, and React. Practical experience in database design, aggregation logic, legacy-system migration (PHP to Django), and performance optimisation (18x speedup on a 10M-record Python simulation). Comfortable with REST APIs, MySQL, SQLite, Docker, Git, and Agile workflows on a Linux/WSL environment.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, C / C++, SQL, Oracle SQL, HTML, CSS

Frameworks & Libraries: Django, React.js, REST APIs

Databases: MySQL, SQLite, Oracle SQL, SQL (relational databases), ORM modelling, Database Migration, Data Aggregation

Tools & DevOps: Git, Docker, WSL / Ubuntu Linux, Agile / Scrum, Code Review, Wireframing

Computer Science: Data Structures (Binary Search Trees), Algorithms, Object-Oriented Programming, Debugging

Data & Analytics: EViews, SAS, SAS Enterprise Guide, Statistical Analysis, Econometrics

Soft Skills: Problem-solving, Critical thinking, Active listening, Time management, Adaptability, Customer support

Languages: English (professional), Romanian (native)

WORK EXPERIENCE

Junior Software Engineer — Hyperpercentage

Jan 2024 – Jun 2024

Bucharest, Romania • Telecom call-data analytics platform processing 1M+ calls/day

- Developed Django models and backend logic for a call-data analytics platform processing over 1 million daily calls from multiple enterprise clients, capturing call metadata such as caller, duration, and origin.
- Built a rules-based limit-monitoring engine that filtered exception rules, tracked per-DDI (destination) usage by matching CLI prefix, DDI prefix, and operator interco, and generated real-time alerts when client-defined call-duration thresholds were breached.
- Implemented data aggregation pipelines to compute per-client daily call-duration totals and enforce per-user usage limits, automatically flagging or restricting users who exceeded their allocation.
- Contributed to a full platform migration from a legacy PHP stack to Django, including porting the existing database and adapting schemas and queries for the new ORM-based architecture.
- Designed and implemented a binary search tree to efficiently parse and route long structured identifiers (e.g., 32-digit codes containing country code, client code, and user code segments).
- Worked across the stack with Python, Django, JavaScript, MySQL, and SQLite, using Docker for containerised development and Git for version control on a WSL/Ubuntu environment.
- Collaborated with senior engineers in an Agile workflow, taking part in code reviews, debugging production issues, and documenting features for the team.

Customer Service Associate — DECIMAS

Sep 2023 – Dec 2023

Bucharest, Romania • Retail / Customer-facing role

- Delivered high-quality customer support, handling enquiries and resolving issues to ensure customer satisfaction.
- Identified customer needs through active listening and recommended suitable products, contributing to repeat business.
- Developed strong communication, conflict resolution, and time-management skills in a fast-paced environment.

PROJECTS

Selected projects demonstrating full-stack development, problem decomposition, and product thinking.

Prediction Market Web Application — Themeisle Internship Challenge 2026

Full-stack web app • Python • Django • REST API • React • TypeScript • SQL

- Designed and built a full-stack prediction market platform inspired by Polymarket and Kalshi, allowing users to create markets, place bets, and view real-time outcomes.
- Implemented core backend functionality including market creation, bet placement, payout distribution logic, and user balance tracking, plus a main dashboard with sorting, filtering, pagination (20 markets per page), and real-time odds updates without page refresh.
- Developed user profile pages with separate paginated views for active and resolved bets, plus a leaderboard ranking users by total winnings.
- Implemented role-based access control with admin authentication for market resolution, archiving, and proportional payout distribution to winners.
- Designed REST API endpoints reusable by both the frontend and external clients, supporting programmatic bet placement via user-generated API keys.

Life Tracker — Personal Project • [Live Demo](#)

Deployed web application • User authentication • Goal tracking • Nutrition & fitness logging

- Built and deployed a live web app (hosted on Render) where users can sign up, set goals, and log workouts (type, duration), nutrition (calories, protein, carbs, fats), and daily hydration.
- Implemented user authentication with registration, sign-in, and password reset flows, designed data models to capture daily metrics, and focused on clean UX and a maintainable codebase.

Lottery Simulator & Performance Study — Personal Learning Project

Python • OOP • NumPy • structlog • Performance optimisation

- Built a Python OOP simulation modelling a 6-from-49 lottery at scale (10 million tickets), including ticket generation, winner detection by match count (3 / 4 / 5 / 6), prize-pool distribution, and profit reporting.
- Optimised end-to-end runtime from 110 seconds to 6.2 seconds (~18× speedup) by refactoring the implementation, replacing standard random sampling with NumPy-based number generation, and processing tickets in batches.
- Refactored the project from an initial implementation into a cleaner second version, applying class methods, static methods, and encapsulation, with structlog for structured logging.

EDUCATION

Bachelor's Degree, Statistics and Economic Forecasting

Sep 2022 – Jul 2025

Bucharest University of Economic Studies (ASE) • Bucharest, Romania

- Relevant coursework: Statistical Modelling, Econometrics, Databases, Programming (Python, C/C++), Data Analysis.

High School Diploma, Mathematics & Informatics

Sep 2018 – Jun 2022

"Simion Stolnicu" High School • Romania

CERTIFICATIONS & TRAINING

Agile Software Development — Chegg

IT Smart Systems Summer School

Jun 2023 – Jul 2023

Software Development Lifecycle & Agile Roles

- Hands-on training covering the roles of Business Analysts, Project Managers, QAs, Scrum Masters, and Developers in Agile software delivery.

VOLUNTEERING

Senior Member — EESTEC Bucharest

2023 – 2025

Promoted from Active Member (2023–2024) to Senior Member (2024–2025).

- Contributed to projects run in partnership with universities and companies. Progressed from Active Member to Senior Member, taking on greater responsibility for project delivery and developing teamwork, event organisation, and stakeholder communication skills.