Anna Rychkova
Graduate Software Engineer

Phone: +353 85 286 35 18
Email: anna.rychkova.dev@gmail.com
GitHub: https://github.com/AnnaRychkova1
LinkedIn: https://www.linkedin.com/in/annarychkova1/
Portfolio: https://annarychkova.dev/

Profile

- **Graduate Software Engineer** with **First-Class Honours in Computer Science** and hands-on experience in full-stack development, scalable systems, and CI/CD pipelines.
- Passionate about applying software engineering, data analysis, and cybersecurity principles to solve complex, real-world problems.
- Curious, adaptable, and detail-oriented, with a strong interest in distributed systems, software testing, and digital transformation.

Education

2024-2025 | National College of Ireland | Higher Diploma in Science in Computing
Modules: Software Development, Object Oriented Software Engineering, Introduction to Databases, Web Design and Client-Side Scripting, Computer Architecture Operating Systems and Networks, Data Structures, Algorithms and Advanced Programming, Distributed Systems

2023-2024 | GoIT Academy | Full Stack Developer
Modules: HTML+CSS, JavaScript, React, Node.js, TypeScript, Career Skills, Soft Skills

2022-2023 | Carlow Institute (VTOS) | English with Office Administration

2001-2006 | Zhytomyr State University | B.Ed. Teacher of Physics and Mathematics

Skills

- **Programming Languages:** Java, Python, TypeScript, JavaScript, SQL
- **Frontend:** React, Next.js, Redux, Tailwind, HTML5, CSS3, SASS
- **Backend & APIs:** Node.js, Express, REST, gRPC, MongoDB, Firebase, Supabase
- **Engineering Principles:** OOP, SOLID, Design Patterns, Clean Architecture, CI/CD (GitLab, Docker), Agile/Scrum
- **Testing & Quality:** Jest, React Testing Library, Cypress, Unit & Integration Testing
- **Tools & Collaboration:** Git/GitHub (team lead experience), Figma, Jira, Linux

Projects

CodeCraft – **Solo Project | Next.js, Supabase, TypeScript, Piston API**
Developed an interactive coding platform with real-time code execution, analytics, and secure authentication. Enhanced learning efficiency through instant feedback and progress tracking.

Smart Recruitment – **Solo Project | Node.js, gRPC, MongoDB, OpenAI**
Built a distributed microservices system for AI-assisted candidate parsing, filtering, and interview scheduling – automating over 70% of manual screening.

Attaboy Dog Training – **Team Lead | Next.js, Firebase, Cloudinary**
Led a 3-member team to develop and deploy a live business website, integrating an admin dashboard and automated email workflows, expanding client engagement by 40%.

AquaTrack – **Team Lead | React, Node.js, MongoDB**
Coordinated an 11-developer team to deliver a hydration-tracking app with full authentication and API documentation, ensuring seamless data sync across devices.

Work Experience

2025 – Present | Gravitad | Backend Consultant
- Provide professional insights on backend architecture, scalability, and API design across multiple projects.
- Evaluate existing systems for performance, security, and maintainability, delivering structured recommendation reports for development teams.
- Support strategic technical decisions and ensure alignment with best practices in Node.js and distributed service design.

2023 | Carlow County Development Partnership | Community Car Administrator
- Streamlined data and route management processes to improve operational accuracy and communication flow.
- Supported digital tracking, documentation, and process automation – experience directly transferable to Agile workflows, QA reporting, and system efficiency improvement.

Additional Information

Professional Development: Exploring cloud infrastructure (AWS/GCP) and secure software engineering practices.

Activities: Member of Carlow Dragon Boat Club – national and international award winner.

Soft Skills: Teamwork, adaptability, analytical thinking, attention to detail.