

YELYZAVETA (LISA) KAREIEVA

Software Development Student · Full-Stack & Cloud (AWS)

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PERSONAL PROFILE

Third-year BSc (Hons) Software Development student at ATU Sligo (90% GPA, expected graduation May 2028) with hands-on experience across full-stack web development, cross-platform mobile apps, and cloud infrastructure. Comfortable working across JavaScript/TypeScript, C#, Python and SQL, with Angular, Node/Express, .NET and AWS.

Most interested in backend development, data, and the logic behind systems, and enjoys taking an idea from concept through to a deployed, working product. Proposed and led a serverless AWS project (ReviewReko) from pitch to submission, and has built the habit of testing what she ships, using NUnit, Moq, Selenium and GitHub Actions CI pipelines.

Outside code, served as Treasurer of the Women in Tech Society, managing its budget and reimbursements for a 100-member society shortlisted for Best New Breakthrough Society 2026, alongside part-time customer-facing retail experience. Looking for a software engineer or graduate role where she can design, build, test and maintain reliable systems.

KEY SKILLS

Languages:	JavaScript, TypeScript, C#, Python, SQL/T-SQL, C++ (Arduino), Kotlin (learning)
Frameworks:	Angular (signals, RxJS), Node.js/Express, ASP.NET Core, .NET MAUI, WPF (Entity Framework)
Cloud & DevOps:	AWS (Lambda, S3, API Gateway, DynamoDB, Rekognition, Amplify, EC2, CloudWatch), GitHub Actions CI/CD
Databases:	MongoDB, SQL Server (stored procedures, views, indexes), SQLite, DynamoDB
Testing & QA:	NUnit, Moq, Selenium, branch coverage analysis, white-/black-box testing, log4net
Tools & Design:	Git/GitHub, VS Code, Visual Studio, Android Studio, Postman, Figma, Trello, Lucidchart
Networking:	Cisco Packet Tracer & IOS (console/VTY security, enable secret, password encryption)
Languages spoken:	English (fluent), Ukrainian (native), Russian (native)

TECHNICAL PROJECTS

ReviewReko *AWS Serverless · Lambda · Rekognition · DynamoDB · API Gateway* 2026

A serverless product review platform where submitted photos are automatically screened by Amazon Rekognition before publishing — approved images get an AI-generated description, rejected ones a logged reason. Group project for the Cloud Computing module.

- Project lead: pitched the idea, got the team behind it, and split up the work.
- Designed and built the processing layer: 4 Lambda functions (presigned upload, save-review, Rekognition moderation/labelling, category-filtered analytics) wired together with S3 event notifications and a DynamoDB GSI.
- Result: 91% for the module.

Link: github.com/Adriana-st/ReviewRekoAWS

EchoLocation *Angular · Node/Express · MongoDB · AWS (S3, EC2, PM2)* 2026

An interactive world map for discovering trending music by country, pulling live data from the Last.fm API and saving exploration history to MongoDB.

- Built full-stack: Angular signals front end with Leaflet.js for the interactive map, Express REST API back end.
- Deployed: Angular front end hosted on S3, Express API running on an EC2 instance kept alive with PM2.

Link: github.com/Shprotya/EchoLocation

Stargazing App *.NET MAUI · C# · SQLite · NASA & Weather APIs* 2025–2026

A cross-platform mobile companion for astronomy enthusiasts: NASA's daily astronomy picture, GPS-based moon phase and visibility data, a live sky map via Stellarium Web, and a personal observation journal.

- Built with MVVM architecture; SQLite stores constellation data and journal entries with full CRUD.
- Wrote an xUnit test suite covering the search and data-conversion logic. 2 GitHub stars.

Link: github.com/Shprotya/Stargazing-app

Parking Fee Calculator *ASP.NET Core · NUnit · Moq · Selenium · GitHub Actions* 2025

A parking-fee web app built specifically to practise a full testing workflow, from unit tests through to CI.

- Unit-tested the core fee logic with NUnit and Moq, mocking the discount service to isolate behaviour.
- Added Selenium end-to-end tests driving a real browser against the running app, and a GitHub Actions pipeline that builds and tests on every push.

Link: github.com/Shprotya/ParkingFeeCalculator_Testing

FlowerShop & Genshin Character Database *Node.js · Express · Handlebars/Angular · MongoDB* 2025

Two smaller full-stack builds: an e-commerce app for a florist (product catalogue, cart, auth, checkout) and a character-browsing app backed by MongoDB.

- 2 GitHub stars on FlowerShop.

WORK EXPERIENCE

Treasurer — Women in Tech Society, ATU Sligo

2025 – 2026

- Applied for and managed the society's annual budget (reclaimed through the student union), keeping accurate records and receipts for a society of 100 members.
- Promoted the society and personally recruited around 5 new members; helped organise a company tour to Above and Beyond.
- Society shortlisted for Best New Breakthrough Society 2026.

Deli / Sales Assistant — Centra

Apr – Aug 2026

- Worked the deli counter in a two-person team, serving around 50 customers a day and preparing food for school orders.
- Worked tills during higher customer volume, handling cash accurately under time pressure.

EDUCATION & TRAINING

BSc (Hons) in Software Development, NFQ Level 8

Sep 2024 – Present

Atlantic Technological University (ATU) Sligo · Year 3 · Current GPA: 90% · Expected graduation: May 2028

Year 2 Exam Results:

- Semester 1: OOD 91%, Introduction to Database Tech 88%, Requirements Engineering 77%, Mathematics 3 99%, Web Design and Development 87%, Client Side Scripting 92%
- Semester 2: Mathematics 4 92%, Introduction to Cloud Computing 91%, Introduction to Database management 84%, Software quality and testing 88%, Web Programming 1 97%, OOD 74%

Certifications & self-study

- Scrimba — Astro framework certificate
- Scrimba — Data Structures and Algorithms certificate
- Hillel IT School — Front-end development courses (2022–2023)

ADDITIONAL INFORMATION & ACHIEVEMENTS

- MongoDB Women in Tech Summit, Dublin (May 2026) — attended the Developer Track and met MongoDB engineers to learn about their team structures and open roles.
- Virtask student focus group (June 2026) — contributed to an online session on student experience and the design of future VR soft-skills training.
- itag AtlanTec AI Challenge 2026 — designed a concept for a school care-management platform for children with daily health needs, scoped around GDPR and Irish education policy (not submitted, as the team did not complete the build).
- Comfortable with Linux command-line administration: file/permission management, disk and process monitoring, and service checks (systemctl, ps, htop, df, du, free).

INTERESTS

Keeps up technical skills outside the classroom through Scrimba courses and algorithm practice (LeetCode). Enjoys cloud computing and backend systems, and has a personal interest in astronomy, which shaped the Stargazing App project.

REFERENCES

Available on request.