

BALJINNYAM PUNTSAGNOROV

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EDUCATION

Adelphi University Garden City, NY -Bachelor of Science, Computer Science, GPA 3.989 Expected December 2025

Awards & Honors:

- Dean's List- Fall 2022-Fall 2025 (The College of Arts and Sciences Dean's Student Circle 2024)
- Top Ten - Wells Fargo Early Talent Competition (Fall 2025)
- International Math & Science Olympiad (IMSO) - 3rd Place (2016)
- Adelphi National Award, Presidential Scholarship, and Supplemental Presidential Scholarship

TECHNICAL SKILLS

Languages: Java, JavaScript, C, C++, Python, SQL, HTML, CSS

Frameworks & Libraries: Spring Boot, Node.js, React, TypeScript, Tailwind CSS

Cloud & Infrastructure: AWS (Lambda, S3, API Gateway, CloudFront), Docker, CI/CD, GitHub

Databases: Oracle, PostgreSQL, MongoDB, DynamoDB, MySQL

Tools & Others: Git, GitHub, Docker, Firebase, JIRA, Figma, REST APIs, Google Workspace

GOLOMT BANK LLC Ulaanbaatar, Mongolia *Software Developer Internship* May 2025- August 2025

- Upgraded Java Spring Boot dependencies across SocialPay, Mongolia's largest financial app, ensuring system compatibility and security compliance across all modules.
- Designed and implemented notification-service for successful card orders, improving user engagement and transaction transparency.
- Built middleware for AliPay+ User-Presented and Merchant-Presented Payment Integration, introducing a new payment feature to SocialPay.
- Debugged production issues and optimized Oracle SQL queries, reducing query response times for high-traffic transactions.
- Enhanced Gitlab CI/CD pipelines by optimizing unit, integration, and functional tests, catching security vulnerabilities early.
- Conducted research on Spring Boot Modulith vs Microservice architecture comparing to existing SocialPay architecture to present recommendations to the developer team.

Teaching Assistant-Computer Science Adelphi University | Jan 2023-Dec 2025

- Mentored 100+ students in Algorithms, Data Structures, Software Engineering, and Database courses; contributed to a 20% performance increase per faculty assessment
 - Assessed and graded coding assignments, debugged student projects, and developed Java, Python, SQL, C, C++ lab solutions
 - Delivered one-on-one instruction in algorithm design, DSA problem-solving, coding best practices, and SQL (MySQL)
-

IT Intern – PCDP LLC, Ulaanbaatar (Summers 2022–2024)

- Redesigned and optimized the company WordPress site with custom themes/plugins to improve performance and responsiveness
- Built advanced search and navigation using custom WordPress scripts and plugin optimizations to improve content accessibility and site performance
- Implemented security updates and maintenance scripts; troubleshoot issues to ensure site stability and data integrity

Projects

Campus Connect - Unified Online Student Marketplace

Senior Capstone Project | React (Vite), Node.js (AWS Lambda), API Gateway, DynamoDB, S3, CloudFront, Secrets Manager, Firebase Admin SDK, TailwindCSS, JWT, AWS SAM

- Architected a fully serverless marketplace enabling secure trading and gated digital-content delivery (React, Lambda, API Gateway, DynamoDB, S3, CloudFront).
- Implemented auth & authorization with a custom JWT Lambda authorizer and Secrets Manager-backed key management (stateless, role-based access).
- Modeled product, cart, and multi-seller order-splitting domains in DynamoDB with indexed search and sanitized API responses (no raw storage keys).
- Built a secure digital-document pipeline with presigned S3 uploads (MIME + size validation), preview placeholders, immutable metadata, and CloudFront hardening.
- Integrated real-time, transaction-scoped buyer-seller messaging using Firebase Admin SDK to speed negotiations and reduce friction.
- Automated infrastructure as code and CI (AWS SAM) with structured logging and environment parity to reduce drift and enable low-ops deployments.

