

AHMAD BISHARA

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EDUCATION

Northeastern University — Khoury College of Computer Sciences
Master of Science in Computer Science

Boston, MA
Expected May 2028

Endicott College
Bachelor of Science in Computer Science, GPA: 3.5 / 4.0

Beverly, MA
May 2025

TECHNICAL SKILLS

Languages: Java, Python, JavaScript/TypeScript, C++, SQL

Frameworks: Spring Boot, React, React Native, Node.js, Redux

Cloud & DevOps: AWS (EC2, ECS, Fargate, RDS, S3, Lambda), Docker, Terraform

Databases: MySQL, PostgreSQL, MongoDB, Redis, DynamoDB

Architecture: RESTful APIs, WebSockets, OAuth2, JWT, Microservices

EXPERIENCE

Bioinformatics & Software Development Intern — SynGAP Research Fund (Remote)

Sep 2024 – Jan 2025

- Engineered Python (Pandas) and R pipelines processing 10K+ genomic variants for precision medicine research
- Developed Plotly dashboards for DNA and mRNA mutations, reducing manual analysis time by 80%
- Presented analytics platform to 80+ clinicians at SRF 2024 Conference, driving adoption

Research Assistant — Endicott College Cybersecurity Lab

Beverly, MA

May 2023 – Aug 2023

- Architected 6 modular cybersecurity labs used by 200+ students across 3 courses

- Automated AWS lab infrastructure with Terraform and Docker, cutting setup time by 70%

Software Engineer (Contract) — Female Fan Nation (Remote)

Sep 2022 – Dec 2022

- Refactored React frontend and REST APIs, increasing mobile conversion by 15% and traffic to 50K+ monthly users
- Implemented real-time inventory APIs, improving checkout latency and reducing cart abandonment by 12%

PROJECTS

GamerHub — Java, React Native, AWS, MySQL, OAuth2

github.com/ahmadb123/gamerhub

- Architected cross-platform identity system linking Xbox, PlayStation, Steam, and Discord accounts
- Designed MySQL schemas and synchronization pipelines managing 50K+ cross-platform interactions
- Aggregated 4+ gaming APIs, reducing external API calls by 65%
- Implemented WebSocket chat supporting 1K+ concurrent users with sub-100ms latency

CalmMind — React Native, Spring Boot, MySQL, JWT, OpenAI API

github.com/ahmadb123/calmmind

- Built attachment-theory-based mental health platform delivering personalized interventions
- Integrated OpenAI API for AI-driven conversational support with sub-2s response times
- Implemented JWT authentication supporting 5K+ active user sessions