Gillian Palmer

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Education

Northeastern University, Boston, MA *Sept 2023 - May 2027*
BS in Computer Science with Software Concentration & Minor in Mathematics *GPA: 3.9/4.0*
Relevant Courses: Graduate Algorithms, Object-Oriented Design, Computer Systems, Linear Algebra, Cybersecurity, Accelerated Fundamentals of Computer Science 1 & 2, Accelerated Discrete Structures

Technical Skills

Languages: Python, Java, TypeScript, JavaScript, SQL, C
Libraries/Frameworks: React, Next.js, Tailwind CSS, Node.js, Drizzle ORM, tRPC, TipTap
Tools: Git, Docker, Terraform, GitHub Actions, Jest, PostgreSQL, PostHog, Strapi, Linear
Cloud: AWS (Certified Cloud Practitioner) – ECS, RDS, EC2, Lambda, ECR, S3, Textract, Bedrock

Work Experience

Lead Software Engineer *Aug 2025 - Present*
Khoury College of Computer Sciences
- Oversee the development of a learning platform within Northeastern by leading daily standup meetings for three co-op students and managing a sprint schedule in **Linear** to ensure accountability
- Refactored **30 website API calls,** reducing latency by **50%** and improving code maintainability
- Manage the cloud architecture for the website within **AWS**, decreasing the cost by **$200** and maximizing security through **AWS Security Groups**

Software Engineer Intern *Jun 2025 - Aug 2025*
Travelers Insurance
- Automated the process of parsing **2000+** lines of financial data with **Python**, **Amazon Textract**, and two **Lambda** functions, reducing the parsing time required by **40 hours**
- Implemented a **React** frontend to facilitate website interaction by allowing users to upload financial information in PDF form and answers user queries about the parsed data using a knowledge base set up in **Amazon Bedrock**
- Designed a **React** and **Python** navigation tool with a built-in **AI Chatbot** to help employees find the quickest routes within the Travelers building and boost employee satisfaction

Software Development Co-op *Jan 2025 - May 2025*
Khoury College of Computer Sciences
- Developed a responsive user interface for Odyssey, an interactive learning platform, using **Next.js** and **Tailwind CSS**, maintaining consistent sitewide styling through reusable components
- Architected backend infrastructure with **Strapi CMS** and **PostgreSQL** to manage data for **2000+** concurrent users
- Launched **9 major features** including text highlighting and a personalized activity feed, and used the **Jest** framework to write over **700** UI feature tests to ensure reliability, achieving **80%** code coverage
- Migrated **EKS** development deployment to an **ECS** deployment using **Terraform** and **AWS CLI**

Additional Experience

Club President *May 2025 - Present*
Northeastern Computer Science Mentoring Organization
- Lead the development of the club through interactive workshops and creative marketing, increasing club engagement by **150%**
- Organize and oversee a mentor program to help **65** incoming first-years with their transition to Northeastern with a personalized, **Python-based** matching process and bi-weekly check-in messages

Technical Lead & Software Developer *Sep 2024 - Present*
Sandbox Software Consultancy
- Lead a team of seven developers and two designers to create a co-op review platform enabling **10,000+** Northeastern students to share details of their work experiences, utilizing the **T3 tech stack**
- Implemented frontend and backend filtering with **fuzzy searching** to enhance the companies page, and collaborated with two designers to match the **Next.js** frontend with modern **Figma** designs
- Added 3 **tRPC**-based API endpoints to retrieve company data, ensuring type safety and optimizing data fetching