Tahmid Hussan

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EDUCATION

CUNY Queens College   12/2025 (Expected)
Bachelor of Arts in Computer Science   *Flushing, NY*
- Relevant coursework: OOP in C++ and Java, Advanced Programming in Python, Data Structures and Algorithms, Web Development, Computer Architecture, Database Systems, Operating Systems, Software Engineering

EXPERIENCE

Allstate   06/2025 - 09/2025
Product Engineer Intern   *Remote*
- Developed full-stack features using Spring Boot and React to capture customer attribution data from 6+ lead aggregators, collaborating with cross-functional teams to accurately track referral sources for 10,000+ monthly redirects.
- Engineered new JWT encryption and decryption into the main backend API to replace a legacy helper API, reducing authentication latency by 20%, enhancing system reliability, and streamlining platform architecture for scalability.
- Created a new Spring Boot metric, viewable in Datadog, to capture stop page codes for business and technical errors in the quote journey, enabling identification of 200+ error events monthly and improving resolution speed.
- Improved code reliability by implementing unit, integration, and end-to-end tests covering both typical and edge-case scenarios, increasing test coverage and reducing post-release defects through CI/CD pipelines.

TheraMotive   06/2024 - 08/2024
Lead Software Engineer Intern   *Brooklyn, NY*
- Architected a scalable internal dashboard using Next.js, React.js, and MongoDB, integrating task management tools, real-time analytics, and Google Apps for direct use by the CEO and business leadership.
- Directed and mentored a team of 10+ interns, leveraging Agile methodologies, peer code reviews, and SDLC best practices to accelerate feature delivery by 30% and meet tight deadlines.
- Integrated role-based authentication using Clerk, empowering non-developer staff to manage dashboard permissions and improving operational efficiency by 50% and enhancing access control.
- Collaborated with executive leadership to define and prioritize product features, translating business objectives into actionable technical requirements and driving a 20% improvement in internal workflows.

PROJECTS

Personal Portfolio Website | *React.js, Tailwind CSS, Framer Motion*
- Designed a personal portfolio website using React and Tailwind CSS to ensure optimal performance and responsiveness across over 15 device types, supporting a more consistent user experience.
- Optimized the codebase by implementing reusable React.js components and scalable design patterns, improving development efficiency by 50% and reducing long-term maintenance overhead.

Lebron Discord Bot | *Python*
- Built a Lebron-themed Python Discord bot using discord.py, integrating ZenQuotes and Giphy APIs to deliver motivational quotes and GIFs, contributing to a 25% increase in user interaction.
- Deployed the bot across multiple servers, expanding its reach and contributing to a broader community, increasing engagement and interaction across different Discord communities.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, C++, Kotlin
Frontend Technologies: React.js, Next.js, HTML/CSS, Tailwind CSS, Framer Motion
Backend & Databases: Node.js, Express.js, Spring Boot, REST APIs, Microservices Architecture, MongoDB, MySQL
Cloud & DevOps: AWS, Git, Jenkins, SonarQube, Postman, Datadog, VersionOne, CI/CD
Authentication & Security: JWT, Clerk, Role-Based Access Control (RBAC)
Development Methodologies: Agile, Scrum, Test-Driven Development (TDD)

CERTIFICATIONS

Amazon Web Services - AWS Certified Cloud Practitioner - In Progress   09/2025
CodePath - Certificate in Android Development   04/2024