JAMES ATTIA

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PROFESSIONAL SUMMARY

- Results-driven Software Engineering student and Software Engineering Intern with expertise in full-stack and microservices development. Proficient in building scalable applications using Next.js, MERN stack, and service-oriented architectures leveraging Node.js, Express.js, Redis, RabbitMQ, Docker, and CI/CD pipelines. Strong analytical and problem-solving skills with a proven ability to deliver quality products in fast-paced environments.

EDUCATION

University of Ottawa   **Sept 2023 – Dec 2027**
BASc in Applied Science, Software Engineering   *Ottawa, Canada*

SELECTED PROJECTS

LeetCode Clone – Coding Challenge Platform   **Full Stack Development**
- Developed a modern coding challenge platform using Next.js and TypeScript for a fast, server-side rendered frontend and a separate Node.js/Express backend for scalability with MongoDB for robust data management.
- Integrated Stripe for secure, one-time premium subscriptions, unlocking exclusive content for users.
- Implemented advanced filtering, real-time submission tracking, and a clean, user-friendly interface to simulate real-life coding interview scenarios.
- Demonstrated full-stack development skills with a focus on scalability, performance, and maintainability using modern technologies. **View Github:** Leetcode-Clone

Billify – E-commerce Platform   **Full Stack Development**
- Developed and deployed a responsive e-commerce platform using React, Redux Toolkit, Node.js, Express, and MongoDB, ensuring a seamless shopping experience.
- Implemented secure user authentication and role-based authorization for robust data protection.
- Built a dynamic admin panel with full CRUD operations for efficient inventory and user management.
- Integrated RESTful APIs and real-time state management to deliver consistent, scalable performance.
- Admin Credentials: `admin@gmail.com` / `123456` **Live Site:** billify.vercel.app

SELECTED COURSEWORK

- Data Structures & Algorithms | Software Engineering | Product Development | Quality Assurance | Microservices Architecture | DevOps Practices

HACKATHONS

UottaHack   **March 2024 & January 2025**
Immersive Learning & Networking Experience   *Ottawa, Canada*

SKILLS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, HTML, CSS
- **Frameworks & Libraries:** React, Redux Toolkit, Next.js, Node.js, Express, API Gateway
- **Database Technologies:** MongoDB, Convex, Firebase, Redis
- **Messaging Systems:** RabbitMQ
- **DevOps & Containerization:** Docker, GitHub Actions (CI/CD)
- **Web Technologies:** RESTful API Development, Responsive Web Design, UI/UX Principles
- **Development Methodologies:** Agile/Scrum, SDLC
- **Version Control:** Git, GitHub
- **Mobile Development:** Android (Java), Firebase Integration
- **Problem Solving:** Strong analytical skills and innovative solution design
- **Collaboration:** Effective team player with cross-functional team experience