Atyub Ahmad

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Skills & Other:

TypeScript • JavaScript • Java • Python • C/C++ • Next.js • React.js • Node.js • REST • CI/CD • HTML • CSS • SQL (Postgres, MySQL, Aurora) • NoSQL (MongoDB) • Material UI • TailwindCSS • Git • Cloud Technologies (AWS) • JIRA • Android Studio • OpenAI

Security Clearance: Top Secret

Experience:

AnaVation   **May 2023 - Aug 2023, May 2024 - Aug 2024**

Full Stack Engineer Intern

- Engineered a state-of-the-art Android application with dual functionality, seamlessly integrating live soccer scores display and secure messaging capabilities
- Devised and constructed efficient API endpoints to support essential backend functionalities, encompassing user management, messaging, and data retrieval
- Developed serverless AWS Lambda functions to optimize specific app tasks, streamlining operations and enhancing overall app responsiveness
- Served as Scrum Master, leading daily scrums and a weekly Sprint Review meeting with the Product Owner, ensuring efficient collaboration and project delivery in an Agile environment with a team of 4+ members

Shireen Incorporated

Computer Engineer Intern   **Jun 2021 - Aug 2021**

- Managed Shireen's website and performed product content updates, improved overall user experience leading to increase in website traffic
- Assembled a variety of radio frequency cables and connectors as part of the production line
- Soldered parts for custom made circuit boards ensuring quality and functionality of end products

Projects:

Grid Search App - Android Studio, React, AWS

- Developed a comprehensive grid search application, which included both an Android app and a React-based web interface
- Implemented key features such as search management, real-time location tracking, geofencing, and the ability to add and archive searches
- Leveraged AWS services including RDS, Lambda, Location Services, EC2, VPC, and Secrets Manager to ensure secure, scalable, and efficient operations
- Improved search efficiency by 25%, enhancing coordination and effectiveness in search and rescue operations

MailFocus - Python, OpenAI GPT-4 API

- Constructed MailFocus, a personalized AI assistant that generates summaries and to-do lists from emails, utilizing OpenAI GPT-4 API
- Developed a feature to provide users with detailed breakdowns of tasks or emails, including AI-generated task priorities (High, Medium, Low) based on email content
- Provided succinct summaries and actionable to-do lists, increasing productivity by up to 30% reducing the time users spend reading and organizing their emails
- Integrated natural language processing capabilities to extract key insights from unstructured email data, ensuring highly accurate and relevant outputs.

Employee Records - C++

- Developed merkle trees to store 1000+ employees, improving search productivity by 40%
- Implemented secure storage using SHA-256 hashing for employee confidential information
- Created history log function for quicker access to updated employee records

Education:

University of Maryland, Baltimore County, Baltimore, MD
B.S Computer Science, GPA: 3.8