




Noumaan Ahmed

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EDUCATION

Master of Science in Information Systems, Northeastern University

Expected May 2025

Bachelor of Engineering in Electronics and Communication, AMS College of Engineering

SUMMARY

Resourceful Software Engineer adept in front-end and back-end development, utilizing Java SE and advanced web technologies like React, NextJS, Node.js, and Express to engineer responsive and scalable web applications. Proficient in Java EE applications through J2EE, Spring Boot, Hibernate, and algorithmic programming. Actively expanding expertise through studies in AWS, GCP, and GitHub CI/CD, and other IoT application protocols, especially MQTT, CoAP, and AMQP

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, C#, Java EE

Frameworks and Libraries: React, Vue.js, NextJS, Spring Boot, Hibernate, Redux, Bootstrap, Node.js, Express

APIs: RESTful APIs, asynchronous data fetching

Design Skills: UI/UX design, Figma, wireframes, prototypes, high-fidelity designs

Databases: MongoDB, MySQL, PostgreSQL

DevOps and Cloud: Docker, Terraform, Jenkins, Packer, AWS, GCP, Digital Ocean, Kubernetes, Apache Kafka

Scripting and Automation: PowerShell, Bash, Python

Messaging and Protocols: MQTT, CoAP, AMQP

EXPERIENCE

HCL Technologies

Jul 2021 – Jun 2023

Messaging Engineer

- Engineered and implemented automated solutions in PowerShell for managing Exchange servers, enhancing system reliability and reducing manual maintenance.
- Collaborated with full-stack engineers to develop internal web applications using React and Node.js to monitor and manage Proofpoint servers, improving user accessibility and operational efficiency.
- Assisted in integrating automated security tools into the company's portal for real-time alerts and threat analysis.

Concentrix Ltd

Dec 2019 – Jun 2021

IT Operations Engineer

- Developed web-based support tools using JavaScript and Node.js to troubleshoot SharePoint server issues, improving efficiency in issue resolution.
 - Assisted in building a ticket management system with Express.js and React, integrating with ServiceNow API to streamline ticket handling and workflow automation.
 - Contributed to web solutions supporting InfoPath and Project Server integrations, conducting thorough analysis to enhance system reliability.
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ACADEMIC PROJECTS

SecureStack (In Progress) - Currently working on developing a full-stack application using Node.js, MySQL, and automated infrastructure deployment using Terraform and Kubernetes on GCP. I built a scalable serverless architecture with GCP's Pub/Sub and Cloud Functions, ensuring robust data handling with MySQL. I am currently trying to include advanced logging with Kafka, and deployment of secure, scalable systems ready for high traffic. Additionally, I am designing and implementing clean APIs, enhancing the system's interaction with user functionalities.

NEU Marketplace (In Progress) – Currently working on the development of a student-focused e-commerce platform for Northeastern University's community using Spring Boot, MVC architecture, Hibernate ORM, and the DAO pattern. Streamlined campus trade by enabling easy posting, trading, and secure communication for goods and services, ensuring a cost-effective and connected campus environment.

Strings - A micro-blogging app built on NextJS 14 - Developed a feature-rich micro-blogging platform using Next.js, Tailwind CSS, MongoDB, TypeScript, and Node.js. Enabled real-time interactions with direct messaging, customizable channels, and instant notifications, enhancing user engagement and connectivity.