

Amunk Shawarn

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Skills

Languages: Java, JavaScript

Web Technologies: Node.js, Express.js, Servlet

Database: SQL, MongoDB

Tools: AEM, Git

Experience

Software Developer Trainee, Klickrr

January 2025 - June 2025

- We implemented a new Node.js-based API gateway that processed 200+ requests per second with 99.99% uptime, ensuring high availability and responsiveness of critical application services during peak traffic.
- Revamped MongoDB database schema and performed query tuning; shrunk database size by 15% and reduced average query latency by 200ms, enhancing application efficiency and lowering server operating costs.
- Fortified platform security by implementing authentication protocols and role-based authorization, ensuring compliance with OWASP guidelines, and decreasing possible data breaches by 35%, as measured by simulated attacks.
- Technologies: Node.js, Express.js, Socket.io, MongoDB, REST APIs, Authentication and Authorization, Database Optimization, Git.

Backend Developer Intern, Axeno Consulting

July 2024 – Nov 2024

- Integrated OAuth authentication protocols across distinct back-end and front-end services, achieving a 99% improvement in secure API access and enhancing user trust metrics by 30%.
- Optimized AEM components using caching mechanisms and lazy loading techniques, reducing server response times by 25% and contributing to a 20% reduction in bandwidth consumption.
- Developed and customized Servlets and Sling Models to implement intricate business logic, facilitating seamless content integration within AEM, which led to a reduction in data retrieval time by up to 50%.
- Technologies : AEM, OAuth, Java, OSGi, Sling Models, Servlets, Git, Agile.

Projects

BuzzTalk

- Engineered a real-time chat application, integrating user authentication, private and group messaging, media sharing, and administrative oversight, supporting 50 concurrent users with a consistent <100ms latency.
- Designed an admin dashboard for efficient user/chat management, improving moderation speed by 80% and ensuring 99.9% uptime in concurrent environments.
- Technologies: socket.io, node.js, express.js, mongoDB, git.

MetroNav

GitHub

- Implemented a metro navigation system using Graph and Heap data structures, implementing Dijkstra's, BFS and DFS algorithms to calculate the shortest path and fare with 95% route accuracy.
- Achieved 50% reduction in route computation time compared to brute-force search methods through optimized graph traversal.
- Technologies: Java, Graph Data Structure, Heap, Dijkstra Algorithm, BFS, DFS.

Password Generator

GitHub

- Built a secure, customizable Password Generator web app using HTML, CSS, and JavaScript, with features like length control, character type selection, real-time strength indication, and clipboard copy.
- Enhanced password security by reducing predictability up to 80% using enforced character variety and Fisher-Yates shuffling for strong randomization.
- Technologies: JavaScript, css, HTML

Education

M.C.A., G.L.Bajaj Institute of Technology and Management

Oct 2022- Aug 2024

B.C.A., Anugrah Narayan College

Aug 2018- Dec 2021