SYED**BABAR ALI**

Software Engineer ✔

9 Years+ Experience

📞 +92 3433039132   ✉ cloudnosys.babar@gmail.com   📞 +92 3232486563

PROFILE INFO

Accomplished software engineer with over 9 years+ of experience in full-stack development, specializing in creating scalable and efficient applications. Demonstrated expertise in a wide range of technologies, including JavaScript, TypeScript, and cloud platforms. Known for effectively leading cross-functional teams and managing complex projects to successful completion. Committed to delivering high-quality solutions that meet client needs and enhance user experience, with a focus on continuous learning and adopting new technologies.

EXPERIENCE

Lead Software Engineer
VentureDive
November 2023 - Present

- Lead the development of a multi-tenancy project using NestJS and MySQL, providing tailored services for client data management.
- Implemented features allowing clients to create and manage promotions based on their sales data.
- Developed algorithms to calculate complex metrics, ensuring high performance and scalability to handle diverse client needs.
- Collaborated with cross-functional teams to align project goals with client requirements and industry best practices.
- Worked on the frontend using React.js, Redux, Ant Design (Antd), and Recharts to create dashboards that visualize key metrics for client data.
- Optimized SQL queries and used atomicity to ensure data consistency and reliability across multiple operations.

Principal Software Engineer
Code Ninja
October 2022 - November 2023

- Led full-stack development for a Sweden-based real estate web application, managing backend microservices with Node.js and Express.
- Oversaw team activities and maintained client communication, ensuring project goals were met while enhancing security and performance.
- Worked on the frontend using React.js and Material UI, creating user-friendly interfaces and improving user experience for the real estate application

Senior Software Engineer
Nisum
July 2021 - October 2022

- During my *tenure* at *Nisum*, I focused on developing scalable *APIs* for several major retail projects. Working in a collaborative environment, I partnered with front-end teams to integrate backend solutions seamlessly with *Vue.js* and *Next.js* frameworks.
- My contributions were pivotal in enhancing user experiences through innovative coding practices and optimizing performance metrics, ensuring our applications were not only functional but also efficient and user-friendly.

EXPERIENCE

Senior Software Engineer
Atompoint / Cloudnosys
October 2016 - May 2021

- **Node.js and Express.js:** Developed backend services using Node.js and Express.js to create robust, scalable REST APIs.
- **React.js with Ant Design and Dva.js:** Built the user interface with React.js, utilizing Ant Design for UI components and Dva.js for managing the global state.
- **MongoDB:** Managed large datasets using MongoDB, including implementing sharding, clustering, and creating indexes to efficiently serve complex queries.
- **Caching Mechanism:** Implemented caching strategies to enhance performance and reduce latency for frequently accessed data.
- **Load Balancing with Nginx:** Configured Nginx as a load balancer to distribute incoming requests across multiple servers, ensuring reliable performance under heavy load.
- **Singleton Design Pattern:** Applied the singleton design pattern to maintain a single instance of critical components, optimizing resource utilization and efficiency.
- **Mocha and Chai:** Created unit tests for backend functionality using Mocha.js and Chai.js to ensure code reliability and maintainability.
- **Compliance Reporting:** Developed functionality for generating PDF reports to meet compliance requirements.
- **Server Migration:** Transitioned the project from AWS EC2 to a serverless architecture using Firebase Functions, enhancing scalability and reducing infrastructure management.

AWS Integration

- **CloudFormation Templates:** Created CloudFormation templates to assist clients in setting up necessary cloud services for real-time risk detection.
- **AWS Lambda and API Gateway:** Worked with AWS Lambda and API Gateway to create serverless REST APIs, enabling efficient and cost-effective execution.
- **AWS SNS for Notifications:** Used Simple Notification Service (SNS) to send real-time alerts for detected risks.
- **AWS SQS for Queue Management:** Leveraged Simple Queue Service (SQS) for queuing tasks in feature implementation, facilitating better message management.
- **AWS SES for Email Alerts:** Configured Simple Email Service (SES) to send automated email alerts for detected vulnerabilities.
- **AWS S3 for Static File Serving:** Utilized AWS S3 to store and serve static files, ensuring scalable and reliable content delivery.

GCP Integration

- **Google Cloud Functions and Firestore:** Developed backend services using Google Cloud Functions with Firestore, providing a serverless and scalable data handling solution.
- **Real-Time Notifications:** Used Firestore in the frontend for real-time notifications, enhancing user experience with instant data updates.
- **Google Cloud Tasks:** Integrated Cloud Tasks to manage large datasets and handle queued tasks efficiently.
- **Firebase Deployment:** Deployed the frontend application using Firebase for fast and reliable hosting.
- **Vulnerability Detection:** Leveraged multiple GCP APIs for vulnerability detection and comprehensive reporting.

Technologies and Features

- **JavaScript and ECMAScript:** Utilized modern JavaScript (ECMAScript) features to develop clean, efficient, and readable code.

Senior Software Developer (Offline Projects)
Various Clients
Dates

- Worked on an e-commerce project using Node.js and Hapi.js with a hybrid database setup combining MySQL and MongoDB. Developed authentication and authorization mechanisms to secure the platform.
- Integrated Elavon payment gateway with Blackhawks (a gift service) and developed an npm module to simplify its usage for other developers.
- Developed a scraping project capable of scraping various online documents and websites, providing a full-stack solution.
- Created a meeting transcript project, generating transcripts for meetings and distributing them to all attendees.
- Built a RAG system using OpenAI APIs and Gemini APIs, leveraging Python for document retrieval and AI-powered content generation.
- Worked on an end-to-end testing project, ensuring the entire system from front to back was thoroughly tested.
- Created authentication and authorization mechanisms for secure access control in various client projects.

SKILLS

Languages:
JavaScript, TypeScript, Python

Back-end Development:
Node.js, NestJS, Express.js, Hapi.js, Firebase Functions, AWS Lambda Functions

Front-end Development:
React.js, Next.js, Vue.js, Bootstrap, Tailwind CSS, Redux, Context API, Storybook, Locofy, Anima

Internationalization:
React-i18next, i18next, React-Intl, Vue I18n

Databases:
MongoDB, MySQL, Firebase (Cloud Firestore), Redis, Neo4j

Cloud Platforms:
AWS, Google Cloud Platform (GCP), Firebase

Blockchain Technologies:
Ethereum, HardHat

Build Tools:
NPM, Yarn, Webpack

Unit Testing Frameworks:
Mocha, Chai, Jest, Enzyme, Cypress

CSS Libraries:
Ant Design, Material-UI, Chakra UI, Bootstrap, Tailwind CSS

Operating Systems:
Mac, Linux, Windows

Team Management Skills

Project Management Tools:
Jira, Trello, Asana

Communication & Collaboration Tools:
Slack, Microsoft Teams

Version Control Systems:
Git, GitHub, Bitbucket

Documentation Platforms:
Confluence, Notion

EDUCATION

Certified Computer Professional Program (ACCP PRO)

APTECH

Completed a comprehensive IT training program focused on equipping students with practical skills in programming, web development, database management, and software development.

The curriculum covered essential technologies and methodologies, enhancing my ability to design and implement robust software solutions.

Aptech Certificate