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# Khaja Bee Shaik

## Software Development Engineer

khajabeeshaik.github.io/Portfolio/  
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Results-driven software engineer with hands-on experience designing and deploying scalable web applications and cloud-based data pipelines. Skilled in full-stack development (MERN), real-time data processing, and serverless architectures using AWS. Proven ability to deliver secure, reliable, and user-centric solutions in both team and leadership roles. Eager to contribute technical expertise and problem-solving skills to innovative software engineering teams.

### SKILLS

<b>Tools and Languages</b>	Python, JavaScript, SQL, PHP, C, C++
<b>Web Development</b>	HTML, CSS, React.js, Node.js, Express.js, MongoDB, Redux, Tailwind CSS, RESTful APIs
<b>Cloud &amp; Data Engineering</b>	AWS (Lambda, Kinesis, S3, EC2, Glue, Athena, IAM, Step Functions), OpenSearch, QuickSight
<b>DevOps &amp; Tools</b>	Git, CI/CD, Agile Methodologies, SDLC

### TECHNICAL EXPERIENCE

<b>Software Development Lead – Membership Services</b> <i>Sun Devil Fitness Complex, Arizona State University</i>	<b>APR 2025 — PRESENT</b> <i>Tempe, Arizona</i>
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- Led enhancements to a full-stack MERN inventory and subscription management system, reducing manual workloads and improving operational efficiency for SDFC gym staff.
- Implemented secure authentication and role-based access with JWT, ensuring data privacy and appropriate permissions for staff and supervisors.

<b>Software Development &amp; System Design Consultant</b> <i>Arizona State University</i>	<b>AUG 2024 — PRESENT</b> <i>Tempe, Arizona</i>
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- Directed full-stack development and architectural guidance for student-driven enterprise systems, integrating secure, scalable cloud-native solutions aligned with real-world business needs.
- Mentored 50+ students on system design, code quality, and agile practices, elevating project delivery standards to industry-grade, production-ready levels.

### ACADEMIC PROJECTS

<b>Social Network Platform - Facebook Clone</b> <i>Tech Stack: PHP, MySQL, JavaScript, jQuery, HTML, CSS</i>	<b>May 2025 — PRESENT</b>
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- Developed a full-stack social networking application, implementing user authentication, newsfeeds, real-time messaging, friend systems, and notifications.
- Leveraged object-oriented PHP and optimized MySQL queries for scalable, maintainable backend architecture; deployed the platform to a live production environment with custom domain integration.

<b>Full-Stack Lodging Marketplace Web Application</b> <i>Tech Stack: MongoDB, Express.js, React.js, Node.js, JWT, Tailwind CSS</i>	<b>MAR 2025 — APRIL 2025</b>
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- Developed a full-stack MERN web application enabling users to list, browse, and book lodging options, with secure JWT-based authentication and role-based access for hosts and guests.
- Built RESTful APIs and a responsive React.js frontend, ensuring seamless CRUD operations, robust user management, and a smooth user experience across devices.

<b>Real-Time YouTube Streaming Data Analytics Pipeline</b> <i>Tech Stack: AWS Kinesis Data Streams, S3, Lambda, Glue, Athena, QuickSight, Python</i>	<b>FEB 2025 — MAR 2025</b>
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- Engineered a real-time data pipeline to capture and process continuous YouTube streaming video metadata, utilizing Kinesis Data Streams for ingestion and S3 for scalable storage.
- Automated ETL workflows with AWS Lambda and Glue to transform streaming data into analytics-ready formats, enabling interactive trend analysis and visualization by region, category, and engagement metrics using Athena and QuickSight.

### EDUCATION

<b>Master of Science in Information Technology</b> , <i>Arizona State University</i>	<b>JAN 2024 — PRESENT</b>
<b>Bachelor of Technology in Information Technology</b> , <i>Sreenidhi Institute of Science and Technology</i>	<b>AUG 2019 — AUG 2023</b>

### ACTIVITIES

<b>Mentor at Software Developer Association at ASU</b>	<b>AUG 2024 — DEC 2024</b>
<b>Senior Wing Cadet, National Cadet Corps</b>	<b>DEC 2020 — JULY 2023</b>