SRI KRITHI ALLA

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SUMMARY

- Software Developer with experience in full-stack development, utilizing both backend and frontend technologies to create robust and user-friendly solutions.
- Skilled in building scalable and efficient web and mobile applications using modern technologies such as React.js, Spring Boot, AWS, and SQL.
- Proficient at creating real-time systems, developing secure APIs, and leveraging cloud services to optimize performance and deployment.
- Proven ability to deliver impactful solutions through cross-functional collaboration and effective problem-solving.
- Passionate about continuous learning and leveraging new technologies to enhance user experiences and business objectives.

TECHNICAL SKILLS

Programming Languages:	JavaScript, Java, Python, C++, SQL
Frontend Technologies:	React.js, React Native, Redux, Angular, Bootstrap, HTML5, CSS3, Tailwind CSS, jQuery, JSON, Ajax
Backend Technologies:	Spring Boot, Spring Data JPA, Node.js, RESTful APIs, Express.js, Microservices
Databases:	MySQL, MySQL Server, MongoDB, PostgreSQL, SQL Server, Firebase
Cloud:	AWS (EC2, S3, Lambda), Docker, GCP, Azure
Data Management & Reporting:	Power BI, Python (Pandas, Matplotlib), SQL
Version Control:	Git, GitHub
Certifications:	Microsoft Certified: Azure Fundamentals

EXPERIENCE

Changing the Present
Software Developer Intern   Jan *2025 – May 2025*

- Contributed to the optimization of a **Shopify-based student mentor engagement platform,** developed interactive user interfaces using **React.js**, creating reusable components and dynamic form integrations, which reduced onboarding time by 40% and enhanced user experience for students and mentors.
- Engineered **RESTful APIs with Node.js**, enabling seamless communication between the frontend, backend, services like Jotform and Shopify; resulted in a **35%** increase in data processing efficiency.
- Automated key backend workflows using **AWS Lambda functions**, such as mentor-student matching and real-time onboarding updates, eliminating manual tasks.
- Integrated **Jotform** into the application, capturing structured data and embedding it within the React UI; this streamlined user registration and increased form submission rates by **25%.**
- Utilized **Matrixify** for efficient data import and export operations, working across large datasets of the profiles, which accelerated system updates and reduced data migration errors by **80%**.
- Collaborated with a cross-functional team in an Agile setting, proactively learning new technologies and frameworks to optimize performance, actively participated in sprint planning and code reviews, demonstrating a strong commitment to continuous improvement and team collaboration.

University of Cincinnati
Software Developer Intern   Jan *2024 – Nov 2024*

- Developed **a Cloud-Based Event Management Dashboard** using **React.js and Tailwind CSS**, allowing university faculty and students to create, manage, and track events effortlessly, resulting in an increase of student engagement by **40%.**
- Built and optimized scalable **RESTful APIs using Spring Boot** for handling event creation, user registration, and RSVP tracking, which reduced backend response time and ensured smooth event operations.
- Integrated **Spring Security** to implement **role-based access control (RBAC)** with **OAuth 2.0 and JWT**, ensuring robust authentication for over many users across different roles.
- **Engineered efficient data storage and retrieval** by integrating PostgreSQL with Spring Data JPA, enabling fast and reliable management of event data, user profiles, and registrations that **cut data retrieval latency by 40%.**

- Implemented **real-time notification features** with **WebSockets and Firebase Cloud Messaging** to alert users about reminders and updates, which **led to an improvement in RSVP rates.**
- Designed and implemented asynchronous background tasks using **Spring Boot's @Async** to handle long running operations such as sending bulk notifications and processing registrations.
- Orchestrated end-to-end **CI/CD pipelines leveraging Docker, AWS ECS**, accelerating deployment frequency from monthly to bi-weekly releases and reaching 99.99% uptime.
- Created data visualization reports **using Power BI and Python (Pandas, Matplotlib)** to analyze user engagement and event participation trends, providing valuable insights for event organizers.

Slope Rate Techno Private Ltd.
Software Engineer   *Mar 2021 – Jan 2023*
- Developed a **cross-platform ERP system**, streamlining inventory management, supply chain tracking, and financial reporting for enterprises.
- Designed a modern, responsive UI using **React.js, React Native, and Tailwind CSS**, ensuring a seamless experience across web and mobile platforms.
- Implemented a **real-time order tracking system** using **WebSockets** and **Firebase**, allowing businesses to monitor inventory and shipment status live.
- Integrated **RESTful APIs and GraphQL** with the frontend using **Axios**, improving data retrieval speed and efficiency.
- Built an intuitive **drag-and-drop dashboard builder** using **React-Beautiful-DND and Konva.js**, enabling users to create custom reports and analytics views which improved data accessibility and decision-making **efficiency by 40%.**
- Developed **role-based authentication and access control** using **Firebase Authentication**, ensuring secure user management.
- Created **an AI-driven demand forecasting module** using **TensorFlow.js**, helping businesses predict inventory needs and optimize supply chains.
- Optimized frontend performance by leveraging **lazy loading, code splitting, and Webpack optimizations**, reducing page load times by **40%**.
- **Secured the application** through robust practices including CORS configuration, CSRF protection, and end-to-end data encryption, resulting in **zero security breaches during deployment**.
- Conducted **unit and integration testing** with **Jest and React Testing Library** for a bug-free experience.
- Monitored application performance and availability through **Azure Monitor** and deployed the application on **Azure App Service** for scalable web hosting.

PROJECTS

E-Commerce Website Development | *React.js, Spring Boot, MySQL, Stripe API, AWS S3*
Developed a full-stack e-commerce web application enabling users to browse products, manage shopping carts, and securely complete transactions using Stripe payment integration. Implemented responsive UI using React.js and Tailwind CSS, built RESTful APIs with Spring Boot for product and order management, and used MySQL for relational data storage. Integrated AWS S3 for efficient product image uploads and storage. Emphasized scalability, authentication, and real-time updates for a seamless user experience.

AI Chat Support Portal | *React.js, Node.js, MongoDB, AWS S3, AWS SDK, and OpenAI AP*
Developed a full-stack customer support portal with ticket management, an integrated AI-powered chatbot, and secure file storage using AWS S3. Implemented using React.js, Node.js, Express.js, MongoDB, and AWS SDK, the portal allows users to create and track support tickets, interact with a real-time AI chatbot for instant assistance, and upload/download attachments seamlessly. Designed a user-friendly interface and ensured secure, scalable backend communication, enhancing customer experience, and reducing support resolution time.

EDUCATION

University of Cincinnati, Cincinnati, Ohio   *Aug 2023 – May 2025*
Masters in engineering, Computer science