

# Akesh Babu Anumalasetty

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## Professional Summary

Enthusiastic and skilled professional with diverse experience seeks pivot into software development, offering a strong foundation in delivering impactful solutions and maintaining consistent performance. Excels in various domains, eager to leverage expertise in driving innovation and contributing to dynamic software projects.

## EDUCATION

### University of Utah, David Eccles School of Business

Salt Lake City, UT

*Master of Science in Information Systems*

*August 2024*

- Relevant Courses: Java and Data Structures, **Web Based Applications**, Database Theory/ Design
- Awards & Honors: IS Graduate Ambassador, Lucid Programming Competition 2023, Domo Layton Hackathon 2023

### Jawaharlal Nehru Technological University Anantapur

Kurnool, India

*Bachelor of Technology in Electronics and Communication Engineering*

*April 2019*

## EXPERIENCE

### University Of Utah Capstone: CrashPad

Salt Lake City, UT

*Web Application Developer / Project Manager*

*January 2024 – present*

- As Project Manager for the CrashPad Phase II development, I led a team to enhance a web application that connects travelers with landowners for RV parking, utilizing Agile methodologies to manage project deliverables and timelines effectively, and implementing Git for version control to ensure code integrity and team collaboration.
- Spearheaded full-stack development with React, Node.js, and Java, integrating Google Maps and OAuth2 authentication APIs to enhance user experience and security. Designed and managed SQL databases for high scalability and complex querying.
- Developed advanced features such as user authentication systems, dynamic listing views with pagination, and a user-friendly interface, significantly improving the application's functionality and user engagement.
- Coordinated extensive testing phases using Postman and implemented a CI/CD pipeline for efficient deployment, ensuring the application met all functional and security standards before launch.

### University Of Utah

Salt Lake City, UT

*Graduate Assistant / IS Graduate Ambassador / Teaching Assistant*

*January 2024 – present*

- As a Teaching Assistant for web-based application courses, facilitated student learning in PHP, JavaScript, HTML5, CSS, and Bootstrap, guided students in understanding and implementing object-oriented programming concepts and database management skills.
- Enhanced administrative operations by supporting the automation of waiver requests using Microsoft Power Automate, improving process efficiency by 65%.
- Engaged actively with students, providing essential administrative support and information, helping navigate academic and program-related queries to improve their educational experience.
- As a Graduate Ambassador, played a key role in promoting the Master's program in Information Systems, organizing and participating in tabling events, and interacting with prospective students.
- Demonstrated commitment to advancing educational initiatives and fostering a supportive academic environment.

### Amazon

Hyderabad, India

*Software Developer Engineer*

*July 2019 – July 2023*

*Risk Investigation Team*

- Architected and deployed a robust risk investigation platform using Angular on AWS, achieving a 40% increase in fraud detection speed and ensuring high availability with EC2 and Elastic Load Balancing.
- Designed and implemented Java-based microservices with Spring Boot on AWS, improving scalability and reducing data access latency, supporting high-volume transactions and utilizing ECS for efficient container management.
- Developed RESTful APIs and optimized client data requests with GraphQL, hosted on AWS API Gateway to enhance security and scalability, improving load times by 25% and streamlining data flow between services.
- Managed MongoDB and integrated Elasticsearch, hosted on AWS, optimizing query performance and search capabilities, achieving a 25% faster data retrieval rate and a 50% improvement in response times.
- Directed Jenkins-based CI/CD pipelines on AWS, automating deployment processes and reducing errors by 75%, increasing deployment frequency by 3x, and leveraging AWS CodeBuild and CodeDeploy for efficient environment management.

- Applied Agile SDLC methodologies utilizing AWS CloudFormation, enhancing project tracking and team productivity, facilitating rapid environment setup and iterative development for continuous improvement.

## TECHNICAL SKILLS

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**Programming:** Java, PHP, JavaScript, C

**Databases & Data Processing:** MySQL, NoSQL, MongoDB, Redis, Apache Kafka, GraphQL, LabVIEW, Domo, ETL

**Web Development:** HTML, CSS, Bootstrap, JavaScript, React, Angular, Restful API Design and Integration, Microservices

**Tools & Platforms:** Spring Boot, PeopleSoft, GitHub, Visual Studio, Babel, Webpack, Azure SQL Database, AWS, Docker, Linux Shell, Scripting, Eclipse IDE, Jenkins, Jira, Postman

**Core Competencies:** Data Structures & Algorithms, Object-Oriented Programming, System Design, Problem-Solving

**Testing:** Unit Testing, Component Testing, Integration Testing

## PROJECTS

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### Domo Layton Hackathon 2023

- Awarded Second position in the 2023 Domo-Layton Hackathon, demonstrating excellence in developing HR Analytics for Layton Construction. Generated insightful dashboards using the Domo platform for a given dataset, showcasing innovation and competitiveness in a high-stakes environment, resulting 50% increase in decision making.

**Skills:** Domo, Dashboard Creation, KPIs, Time Management, HR Analytics, ETL

### SubUrban Outfitters (Ecommerce)

- Led the creation of "Suburban Outfitters" e-commerce platform, improving user engagement with enhanced UI/UX through HTML, CSS, JavaScript, and Bootstrap, and integrated PHP for real-time tracking and dynamic customer interfaces.

**Skills:** HTML, CSS, JavaScript, Bootstrap, PHP, E-commerce Development, UI/UX Design, Customer Engagement

### Transit Tracker: UTA Transit Application

- Architected a comprehensive Azure SQL Database model for the UTA Transit mobile application, facilitating real-time insights into user engagement with precise tracking of bus and Trax information.

**Skills:** Azure SQL Database, Database Schema, ERD, Database design

### Generative AI (ChatGPT) Hackathon

- Excelled in a business case competition by transforming unstructured customer review data into structured insights to enhance a clinic's operations.
- Leveraged ChatGPT and AI-powered analysis to deliver impactful recommendations, demonstrating strong data analysis and problem-solving skills.

**Skills:** Data analysis, Python, ChatGPT, LLM, OpenAI

### Minesweeper Game Development

- Spearheaded the development of a dynamic Minesweeper game leveraging Java programming language and advanced data structures, resulting in a captivating and immersive gaming experience.

**Skills:** Java, Data Structures & Algorithms, Game Development, React

### Lucid Programming Competition 2023

- Awarded a top placement in the Lucid Hackathon for showcasing problem-solving skills using data structures and Java, and demonstrating exceptional abilities in algorithm design and implementation in a competitive environment.

**Skills:** Data Structures and Algorithms, Problem Solving, Java

### Click Quest Game using Java

- Developed an interactive point-and-click adventure game in Java, utilizing JFrame for the graphical user interface.
- Implemented game logic and user interactions, ensuring a dynamic and engaging gameplay experience. Applied problem-solving skills to design and integrate complex game mechanics, enhancing user engagement and playability.

**Skills:** Java, JFrame and Swing Utilities, Event Handling, Custom class Design, User Interface Development

### Linux MiniShell

- Developed a lightweight command-line interface (MiniShell) in C, simulating basic Unix shell functionalities such as executing commands and handling piping, with custom features for process creation and management ensuring effective command execution

**Skills:** C Programming, Unix/Linux System Calls, Process Management, Shell Scripting