

Chepyala Akhil

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EDUCATION

UNIVERSITY OF BUFFALO
MS IN INFORMATION SYSTEMS
Jun 2022 | Buffalo, NY

LINKS

Github: [akhilchepyala](#)
LinkedIn: [chepyalaakhil](#)
Leetcode: [akhilchepyala](#)

SKILLS

TECHNICAL SKILLS

PROGRAMMING

Java • Python • JavaScript(ES6+) •
TypeScript • C++ • Scala • Kotlin • Ruby

WEB DEVELOPMENT

HTML/CSS • Front-end Frameworks (e.g.,
React, Redux, Angular, Vue.js) • Back-end
Frameworks (e.g., Spring Boot, Node.js,
Django, Ruby on Rails) • PHP

DATABASE MANAGEMENT

MongoDB • DynanoDB • MySQL •
PostgreSQL • NoSQL Databases •
DocumentDB

AWS CLOUD SERVICES

Lambda Function • AppSync • API
Gateway • S3 Buckets • ElastiCache •
Route 53 • SQS • SNS • EventBridge •
OpenSearch

DEVOPS AND TOOLS

Git/GitHub • CI/CD (Continuous
Integration/Continuous Deployment) •
Docker • Kubernetes • Jenkins

TESTING

Jest Unit Testing • Test Automation •
Behavior-Driven Development (BDD) •
Test-Driven Development(TDD) •
Integration and Testing • Code Review

SOFT SKILLS

Leadership • Initiative • Resourcefulness
• Teamwork • Public Speaking

INTERESTS

HOBBIES

Gaming • Swimming • Basketball • Stand
up Comedy • Teaching • Participating in
Coding Contests

EXPERIENCE

AMAZON (APPLICANT REVIEW) | SOFTWARE ENGINEER

Aug 2022 – Aug 2023 | New York, NY

- Created **getResume** and **getApplicantScreening** APIs, replacing legacy routes tied to multiple teams. Implemented GraphQL queries, leading to a significant **35%** website usage boost and improved user experience for hiring managers and applicants. Reduced applicant data retrieval time by **40%**, expediting decisions and enhancing satisfaction.
- Implemented feature flags and integrated visual cues into the front-end, resulting in a **30%** increase in application review efficiency and an **11%** reduction in processing time throughout the application life cycle.
- Led **15+** on-call sessions, achieving **97%** error free production environment, performed manual integration, end-to-end, and Cypress testing across all packages, while monitoring pipeline efficiency during the on-call period.
- Engineered a Lambda-Cron solution using EventBridge for our Jobs API, achieving a **20%** reduction in cold starts across various timeframes and substantially improving system efficiency and performance.
- Introduced AWS alarms and metrics to proactively identify and promptly alert on errors or a surge in calls across various status codes. This initiative resulted in a remarkable **65%** improvement in system monitoring precision and error detection efficiency.
- Conducted **1000+** unit tests and participated in **100+** code reviews, maintaining a **95%** defect-free Codebase.
- Directed **40+** sprint planning and retrospectives, ensuring on-time project delivery through effective cross-functional collaboration.

CUE TECH SYSTEMS | SOFTWARE ENGINEER

Jul 2018 – Jun 2021 | Hyderabad, India

- Designed and deployed Selenium-based automated testing in Spring Boot, reducing code defects by **48%** and increasing system reliability by **38%**.
- Enhanced web service integration in a Java Spring Boot application, resulting in a **40%** boost in webpage speed.
- Undertook code refactoring to boost readability and reliability, resulting in a **23%** reduction in bugs and a **74%** improvement in system reliability.
- Empowered UI robustness by implementing Behavior-Driven Development (BDD) in Java, which not only improved integration test accuracy by an impressive **45%** but also integrated advanced logging mechanisms for improved error detection.
- Crafted and integrated user-friendly UI components with HTML/CSS/JSP in a Spring Boot application, resulting in a substantial **15%** increase in user engagement.

ACADEMIC PROJECTS

E-COMMERCE WEBSITE

Developed a robust e-commerce platform with user authentication, offering a diverse product catalog spanning over **2,000** unique items across **10** categories for seamless online shopping experiences.

ONLINE BOOKSTORE WEB APPLICATION

Utilized Java, Spring Boot, AWS services, React.js, and JavaScript to build a modern, scalable online bookstore. Implemented user authentication with AWS Cognito, secure payments, full-text search using Amazon Elasticsearch, and enhanced user experience.