Yogesh Chaudhary

Oxford, OH • 283-219-8311 • chaudhy@miamioh.edu • linkedin.com/in/yogeshchaudhary101 • github.com/chaudharyyogesh

Education

Master of Science in Computer Science, Software Engineering

Miami University, Oxford, OH   August 2024 - August 2026 (Expected)

Bachelor of Technology, Computer Science and Engineering

Dr. B.R. Ambedkar National Institute of Technology, India   August 2017 - June 2021

Skills and Knowledge

Technical Skills: C/C++, JavaScript, React.js, Java, Spring Boot, REST, JUnit, Mockito, Python, PHP, Laravel, DynamoDB, MySQL.

Dev Tech/Tools: AWS (EC2, Lambda, S3, RDS, DynamoDB, CloudWatch), Git, GitLab, Jira, Postman, Swagger, SonarQube.

Core Subjects: OOPs, Data Structures, Algorithms, Computer Networks, Software Engineering, Database, Agile (Scrum).

Experience

Graduate Assistant - Full Stack Software Developer (HTML/CSS, JS, Laravel, REST, Bootstrap, MariaDB)   August 2024 - Present

Myaamia Center, Miami University, Oxford, OH

- Streamlining an existing web app into a PWA for improved performance, offline access, and user engagement.
- Implementing new functionality, optimizing existing features, and performing maintenance for multiple Myaamia software applications.

Software Developer - Full Stack Java Developer (ReactJS, Java, REST, DynamoDB, PostgreSQL)   Sept. 2021 - July 2024

Broadridge Financial Solutions (FinTech)

- Developed an in-house AI platform using ReactJS for frontend and Spring Boot with Java 17 for backend.
- Utilized Spring Data JPA for data access, Swagger for API documentation, and RESTful principles for design.
- Crafted wrapper APIs to connect with OpenAI and Amazon Bedrock, standardizing request and response structures.
- Configured microservices with Spring Boot and enforced secure access using Spring Security, implementing OAuth2 and JWT with custom claims for authentication and authorization.
- Coded Python for AWS DynamoDB Lambda automation, Jenkins for continuous CI/CD, and Docker for containerization.
- Conducted comprehensive unit and integration testing deploying Postman for API testing, and Jest (UI), JUnit 5, and Mockito (Java) for unit tests, achieving over 95% test code coverage.
- Engineered keys and indexes to increase database query efficiency and performance, cutting down query time by 40%.
- Implemented caching mechanisms to store frequently accessed data and decrease need for repeated API calls.
- Utilized SonarQube for code quality inspection, CAST for security testing, and Checkmarx for vulnerability assessments, ensuring zero vulnerabilities, maintaining bug rates below 5%, and reducing code duplicity to under 2%.
- Collaborated within Agile methodologies, participating in sprint planning, backlog grooming, and delivering incremental updates, operating Jira for project management and sprint tracking.

Software Developer Trainee (HTML/CSS, JS, React.js, Redux, REST API)   June 2021 - July 2021

FlowerAura (e-commerce)

- Collaborated with a cross-functional team to design and implement 10+ UI features leveraging React.js, CSS and Redux.
- Redefined checkout experience reducing avg. checkout time to less than 5 seconds, lowered bug counts to less than 5%.

Projects

Merge Request Summarizer, Gen-AI Hackathon (Python, OpenAI, Git, GitLab pipeline)   March 2024 - April 2024

- Utilized Python, GitLab pipelines and OpenAI API, automating real-time summaries and code quality recommendations.
- Boosted code review efficiency by 30% and cut down manual review time by 40%.
- Customized OpenAI prompts for project-specific standards, increasing relevance by 35%.

Trav-All, Web App (React.js, Node.js)   January 2021 - May 2021

- Engineered a travel platform allowing users to add and share details about over 1,000 travel destinations with real-time updates, leveraging technologies such as React.js, Node.js, Express.js, Tailwind CSS, Firebase, GIT, and GitHub.
- Optimized platform for performance and scalability, decreasing load times and system errors by 40% through techniques such as code refactoring, efficient database queries and lazy loading.
- Created a seamless UX by minimizing buttons and navigation elements while integrating social sharing capabilities.

Key Achievements

- **Secured** 1st Runner-Up in the Broadridge "GenAIHackathon" 2024, surpassing 19 teams for best use case.
- **Won** the Broadridge Hackathon Challenge 2023, surpassing 12 professional teams for innovative development.
- **Secured** 2nd Runner-Up in the "HackNITJ" Hackathon, competing against over 20 teams, for innovative design.
- **Awarded** the "Best Technology Team Award" for outstanding innovation, dedication, and technical excellence.
- **Received** full ride "COMPEX Scholarship 2017" for outstanding academic achievement from a pool of 20,000+.