

Arif Shariar Rahman

Software Engineer | Empirical Software Engineering Researcher
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Summary

Software engineer and Ph.D. student with experience in empirical software engineering, full-stack application development, and university teaching. Research focuses on code review quality, mining software repositories, developer behavior, and maintainable software systems.

Technical Skills

Languages: Python, Java, C++, C#, C, SQL
Frameworks: Spring Boot, ASP.NET, Django, React, FastAPI, GraphQL
Databases: PostgreSQL, MySQL, SQL Server, Oracle, SQLite
Cloud & Tools: Google Cloud, Git, GitHub, Linux, REST APIs

Experience

Wayne State University **Detroit, MI**
Graduate Teaching Assistant *08/2024–Present*

- Lead CSC 4110 Software Engineering laboratory sessions and guide students in modern software development practices.
- Mentor students in agile methods, design, testing, code review, software quality, and development tools.
- Develop and refine laboratory and assessment materials across multiple semesters.

Enosis Solutions **Dhaka, Bangladesh**
Software Engineer *06/2023–06/2024*

- Developed enterprise web applications using ASP.NET, SQL Server, and JavaScript for North American clients.
- Collaborated with distributed teams using agile practices and direct client communication.
- Improved application performance by optimizing SQL queries and API efficiency.

Green House Tech **Quito, Ecuador**
Software Engineer *03/2023–06/2024*

- Engineered workforce-performance software using Django, GraphQL, REST APIs, and Google Cloud integrations.
- Integrated speech-recognition and language-model APIs into production features.

Education

Wayne State University **Detroit, MI**
M.S. in Computer Science *Conferral 12/2026*
Completed all degree requirements.

Wayne State University **Detroit, MI**
Ph.D. Studies in Computer Science *08/2024–Present*
Empirical software engineering, code review, repository mining, developer behavior, and software quality.

Bangladesh University of Engineering and Technology **Dhaka, Bangladesh**
B.Sc. in Computer Science and Engineering *05/2023*

Publication

- Saleh Amareen, **Arif Rahman**, Sazzadur Rahaman, and Amiangshu Bosu. “GraphQLify: Automated and Type Safety-Preserving GraphQL API Adoption.” *Proceedings of the ACM on Software Engineering*, Vol. 3, FSE, 2026. doi:10.1145/3797141.

Research Interests

Empirical software engineering; code review quality; mining software repositories; developer productivity; human-centered AI; software maintenance and evolution; reliable and maintainable systems.

Selected Projects

- **AucDais** — Online auction platform for listing, bidding, buying, and selling products. Java, Spring Boot, React. [Repository](#).
- **HackNSU 2.0 / Return Zero** — Transaction system for a garment manufacturer, vendors, and customers. Django, HTML, CSS. [Repository](#).
- **Code Samurai 2022** — City-planning decision-support application for evaluating public-project locations. Django, HTML, CSS. [Repository](#).

Achievements

- **1st Runner-Up**, HackNSU 2.0 Hackathon, North South University, 2020.
- **5th Place out of 50**, Code Samurai, University of Dhaka & BJIT, 2022.