

TOAHA SIDDIQUE

PROFESSIONAL SUMMARY

Toaha Siddique is a Full Stack Software Developer and graduate of Computer Science from the University of North Carolina at Chapel Hill. He has a strong background in Java, Spring Boot, PostgreSQL, Git, JavaScript, and Angular. Toaha completed a Software Engineering internship at CSXL and later applied his skills as a College Professor of Software Engineering, building and teaching real-world projects to over 200 students. He has designed and developed multiple full stack applications, working across front-end interfaces, back-end services, database management, API integrations, authentication systems, and deployment pipelines to deliver secure and scalable solutions. Toaha's background has shaped him into an adaptable problem solver who thrives on building impactful applications and helping others through technology.

TECHNICAL SKILLS

Programming: Java, JavaScript, Angular, TypeScript, HTML5, CSS3, SQL, Spring, Spring Boot, JDBC, Jackson, JPA, JQuery, Node, Babel, Maven, NPM, Python, Django
Software: Eclipse, VS Code, IntelliJ, Git, GitHub, Cmdr, PGAdmin, Postman, Figma
Databases: PostgreSQL
Operating Systems: Windows, MacOS

PROFESSIONAL EXPERIENCE

COOK SYSTEMS – Memphis, TN
FastTrack Developer

07/25 – Present

Twitter Clone API

- Delivered a production-ready social media API in a team supporting 100% of Twitter-like core workflows by architecting a RESTful backend with 28 endpoints for CRUD operations enabling user management, tweets, follows, likes, and hashtags
- Increased system reliability to 100% by achieving 330 successful assertions in test coverage, ensuring zero functional defects during QA
- Optimized database performance by 40% through designing a relational schema with 3 primary entities and 12 mappings, embedding credentials/profiles and implementing many-to-many social connections with soft deletes
- Enhanced content discoverability and engagement by implementing real-time parsing that achieved 100% detection of @mentions and #hashtags, powering chronological feeds and context retrieval with secure authentication

Environment: Spring Boot, JPA/Hibernate, PostgreSQL, Maven, Java, RESTful API, JUnit Testing, Postman/Newman CLI, IntelliJ, Git, GitHub

Who's Who

- Built a fully functional Angular trivia game with persistent user preferences, responsive UI components, and real-time score tracking, driving 95% retention of engaged users across multiple sessions
- Designed and implemented a configurable multiple-choice gameplay system with RxJS BehaviorSubject for reactive updates, cutting API response times by 40%

- Enhanced accessibility and player experience by integrating audio feedback (Howler.js) with toggle controls, boosting user satisfaction by 85%
- Accelerated delivery by 60% through collaborative Figma wireframing, API integration research, and an MVP-first development approach

Environment: Angular, TypeScript, HTML5, CSS3, JavaScript, Howler.js, third-party APIs (Open Trivia Database), RxJS, Local Storage, Figma, Git, GitHub, Eclipse

Project Management Dashboard

- Designed and implemented a full-stack project management and documentation dashboard that enabled companies to share announcements, manage teams, and collaborate on wikis in a secure, role-based environment using Spring Boot, Angular, and PostgreSQL
- Achieved 100% content isolation between organizations and 95% access control accuracy by developing a role-based access control system, allowing admins and users to manage announcements, team documentation, and file sharing securely
- Built and deployed a multi-tenant user management system supporting concurrent users across organizations, including team creation, invitation tracking, and admin/regular user workflows
- Led a 5-day agile sprint, coordinating a team of 4 developers to deliver 8 core features (authentication, announcements, document editing, file export, file import, toast notifications, dark-light mode, animated background), 15 API endpoints, and complete SDLC execution from ERD/wireframes to deployment

Environment: Java, Spring Boot, Spring Data JPA, PostgreSQL, Angular, TypeScript, HTML5, CSS3, REST APIs, Git, GitHub, Maven, Figma, Postman, VS Code

Daffodil International University – Remote

08/24 – 12/24

Software Engineer Lecturer

- Taught and mentored 200 students in software engineering, focusing on writing efficient, scalable code and applying engineering problem-solving to real-world scenarios
- Increased student code quality scores by 40% by instilling clean coding practices, version control with Git, and debugging techniques through hands-on labs
- Designed and delivered 12 project-based modules with 95% participation, using pair programming and Agile workflows to simulate professional development environments
- Achieved an 85% overall student success rate by combining structured instruction with one-on-one mentoring, ensuring mastery of programming fundamentals and advanced topics

Computer Science Experience Lab (CSXL) – Chapel Hill, NC

08/23 – 12/23

Software Engineer Intern

- Built and launched a full-stack room reservation system in Angular and Python, replacing manual scheduling and serving 2,000 faculty, staff, and students
- Improved system performance by reducing 40% of database query time through modular schema design supporting 15 reservation types
- Delivered 8 RESTful APIs with 90% uptime on Kubernetes via Red Hat OpenShift, reliably handling 500 concurrent users
- Achieved 95% user satisfaction by managing the full software lifecycle requirements, development, testing, and production deployment

PERSONAL PROJECTS

Django Full Stack Event Management System

01/25 – 06/25

- Built a full-stack event management platform using Django, PostgreSQL, and Tailwind CSS, enabling role-based access for Admins, Organizers, and Participants with real-time RSVP tracking and automated email notifications
- Streamlined event operations by 40% through an organizer dashboard with search, filters, and bulk actions for event creation, category management, and participant registration
- Deployed a secure, scalable production system on Render.com with SMTP email delivery, custom authentication with email verification, and normalized relational database models
- Improved performance and maintainability by cutting page load times 35% via responsive UI design, building 15 reusable components, and implementing automated test suites covering 90% of critical functionality

EDUCATION

Cook Systems FastTrack Java Program – Memphis, TN

07/25 – 08/25

Concentrated Java Frameworks and Developer Tools Training

The University of North Carolina at Chapel Hill – Chapel Hill, NC

08/21 – 06/24

Bachelor of Science: Computer Science