Abdurraouf Etagiuri

(306) 261-7731 | Roofa.Etagiuri1@gmail.com | linkedin.com/in/abdurraouf | github.com/AbdurraoufE | Portfolio

EDUCATION

University of Saskatchewan — Saskatoon, SK
Bachelor of Science in Computer Science — *2025 (Expected)*
- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Software Systems, Database Systems, Web Development, and Software Engineering

Advanced Innovation Group Pro Excellence — AIPGE
Lean Six Sigma Yellow Belt Certification — *Achieved*

EXPERIENCE

Headstarter AI — Jul. 2024 – Present
Software Engineer Fellow — *Long Island City, NY*
- Built and deployed **5** AI projects in 5 weeks using React, Next.js, Firebase, Clerk, and Vercel with **98%** accuracy, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment
- Worked in a team of **3** to develop an interactive customer support agent using Next.js, integrated a custom RAG pipeline using OpenAI and Pinecone that responds based on a company's knowledge base
- Participate in weekly sessions with engineers from Google, Y Combinator, Stanford, Amazon, and top startups

PSI Technologies Inc. — Sept. 2023 – Present
Software Developer Intern — *Saskatoon, SK*
- Optimized software quality and user satisfaction by developing a Data Visualization Application using C#, .NET Core, MVVM principles, and DevExpress, leading to a **40%** reduction in bugs and a **25%** increase in user feedback
- Collaborated on PSISams3D and PSIVisions3D projects, by maintaining end-to-end development in code reviews and peer sessions, resulting in a **25%** reduction in code defects and a **30%** improvement in development speed
- Drove a **50%** improvement in application scalability and reliability as part of a cross-functional team of **5**, by enhancing system architecture, and optimizing deployment processes, resulting in a downtime reduction and a **15%** increase in user retention for **1,000+** active users

PROJECTS

AI Pantry Web Application ⌂ | *JavaScript, Next.js, Firebase, OpenAI API* — Jul. 2024 – Aug. 2024
- Developed a responsive pantry management application with Next.js and JavaScript, boosting user engagement by **95%** through efficient item management and real-time updates for dynamic user interaction
- Implemented a feature to generate recipe suggestions based on pantry items, using artificial intelligence, OpenAI API to analyze available items and output related recipes, enhancing user engagement and utility
- Integrated Firebase for secure user authentication, enabling sign-up and sign-in while live-storing users personalized pantry items and their quantities for **50** active users in the database

ChillChat Messenger Application ⌂ | *JavaScript, React.js, Node.js, Docker, MySQL* — Feb. 2023 – Apr. 2023
- Constructed a creative full-stack web application featuring a sign-up system, the ability to request, join, and leave chat rooms, as well as the option to set a limit of members to join a specific chat
- Deployed CORS for secure communication, while using Socket.io for real-time messaging, including a searchable channel directory, offering users to create both private or public channels, reducing back-end processes by **10%**
- Established a MySQL database with over **6 tables**, designed to store user information including user IDs, messages, usernames, emails, encrypted passwords, and channel histories

Library Management System ⌂ | *JavaScript, React.js, Next.js, AWS* — Sept. 2022 – Dec. 2022
- Collaborated in a 5 person team, utilized JavaScript, React.js, and Next.js for front-end development, paired with TailwindCSS for styling, while making use of Amazon Amplify for a responsive back-end system
- Designed functional features for experiential users, such as adding, removing books from the database, viewing book reservations, late payment fee, and age group filtering, resulting in an estimate of **30%** increase in user satisfaction
- Applied Agile Scrum Methodologies with daily standups and weekly sprint meetings, achieving a **20%** increase in feature delivery speed, enhancing team adaptability and performance against code completion and project goals

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C#, SQL, HTML/CSS, Bash/Shell Scripting
Frameworks/Tools: Next.js, React, Node.js, Tailwind, Docker, MySQL, Firebase, .Net Core, BitBucket, Git, Slack
Concepts: Software Engineering, Frontend, Backend, Artificial Intelligence, Agile Methodologies