

# SOBAN FARHAN

## Software Developer

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Highly skilled Software Developer with 4 years of experience. Strong foundation in **designing, developing, and maintaining** cutting-edge software solutions. Adept at multiple programming languages and frameworks, with a **proven track record of delivering high-quality, efficient, and scalable applications**. Collaborated with cross-functional teams to meet project goals and deadlines while continuously **staying updated on the latest industry trends and technologies**.

## PROFESSIONAL STACK

- **Proficient:** C#, Python, .NET Core, Django, Flask, Docker, T-SQL, NoSQL, GIT, Jira, Agile, SCRUM
- **Familiar:** JavaScript, TypeScript, React, NodeJS, Salesforce, CI/CD, AWS

## PROFESSIONAL EXPERIENCE

Software Developer	Re:Sound Music Licensing	May 2021 – June 2023
<ul style="list-style-type: none"><li>• Led the seamless migration of a legacy <b>.NET WPF</b> application to a cloud-based solution, ensuring minimal disruption and <b>optimizing performance</b> for end-users.</li><li>• Played a pivotal role in providing support for the transition by organizing workshops, crafting informative presentations, identifying valuable training modules, and contributing to the team's skill development.</li><li>• Improved <b>E10</b> an in-house <b>REST API</b> built with <b>C#</b> and <b>.NET</b> performance by executing a comprehensive three-phase testing sync. The syncs consisted of generating <b>50,000</b> user profiles and <b>300,000</b> invoices to address slow response times, optimizing <b>memory allocation</b>, and enhancing user experience.</li><li>• Expedited <b>E10's</b> performance changes by replacing heavy <b>ORM</b> usage with the stored procedures approach. The stored procedure changes caused an average of <b>10-15s</b> requests, to now be completed within <b>3-5s</b>. This has been a staggering <b>60% - 70%</b> reduction in overall processing time.</li><li>• Played a <b>pivotal role</b> in our new application named <b>something_funky</b>, which consisted of finding discrepancies in data between in-house <b>ALLIANT</b> and <b>Crescendo</b> databases. The solution was built using <b>Python</b> to help with manual review and effectively reduce manual efforts by <b>30% - 40%</b> by finding discrepancies patterns.</li><li>• Optimized <b>something_funky</b> data handling by creating functions that efficiently processed large CSV files. Leveraging pandas, I <b>read, analyzed, patched, and partitioned</b> the data into smaller sets to optimize <b>resource consumption</b> when managing large sets of data.</li><li>• Expanded <b>something_funky</b> architect by implementing <b>CI/CD</b> pipeline. This initiative was to expedite newer builds and <b>unit-testing</b> to an ever-expanding list of feature requests alongside performance optimization.</li></ul>		
AI Research Assistant	Durham College	Jan 2019 – Aug 2020
<ul style="list-style-type: none"><li>• Applied my knowledge and understanding of <b>Python, Flask, and Docker</b> to create and maintain an <b>API</b>. The project concluded with a setup to allow communication between the API and prototype <b>regression models</b> used to predict future pricing for shipping commodities through freight.</li><li>• Ensured data quality by cleaning, normalizing, optimizing, and storing data in <b>MongoDB</b> cluster to keep records of historical and future entries. Leveraged libraries like <b>pandas</b> and <b>scikit-learn</b>, to further enhance data quality and efficiency, for <b>ML</b> models to be trained and tested.</li><li>• Created various models ranging from classifier, logistic, neural network, etc., and afterward optimized model performance by tweaking <b>hyper-parameters</b>. This showcased my ability to adapt to different <b>ML</b> concepts and analytical skills, leading to innovative solutions.</li><li>• Participated in daily <b>SCRUM</b> meetings while <b>mentoring</b> new researchers, highlighting my collaborative abilities and potential for <b>leadership</b>. These meetings were crucial to transferring knowledge among team members and keeping multiple project roadmaps up-to-date due to average 3-month <b>MVP</b> deliverables deadlines.</li></ul>		

## EDUCATION

Computer Programming and Analysis, Durham College	Sept 2017 –April 2020
<ul style="list-style-type: none"><li>• <b>Core Competencies:</b> Network Security, Database Management, Software Development, System Integration</li></ul>	