

**Github:** da7a90  
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## SID BARRACK

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### EMPLOYMENT

<b>Software Consultant</b>	<b>Free au Senegal</b>	<b>July 5th 2021 - now</b>
<ul style="list-style-type: none"><li>Developed an API for generating and validating TOTP(Temporary–One–Time–Passwords) to verify 3<sup>rd</sup> Party requests for payments or money transfers using our mobile money services</li></ul>		
<b>Software Consultant</b>	<b>Free au Senegal</b>	<b>December 2020 – June 2021</b>
<ul style="list-style-type: none"><li>Spearheaded development and launch of an E-learning platform used by 3000+ sales people that enabled tracking and addressing performance issues in sales using real-time reports based on Key Performance Indicators and sales data</li><li>Developed an automatic invoice generation system that reduced the time to write and digitally sign invoices for suppliers from days manually to minutes by retrieving the data daily through a scheduled task and dynamically filling a PDF template and providing a web user interface to filter, sort and download the invoices</li><li>Oversaw and accompanied 2 interns during 6 months</li></ul>		
<b>Web Developer</b>	<b>DegreeMe LLC</b>	<b>November 2020 – February 2021</b>
<ul style="list-style-type: none"><li>Designed a Calendar based user interface that enabled students and tutors to manage their events and sessions through the Calendar UI</li><li>Integrated Video Chatting and Screen sharing into a tutoring platform that enabled hundreds of students to join live sessions with tutors through video chat using Web Real-time Communication APIs</li></ul>		
<b>Web Developer</b>	<b>Tigo</b>	<b>September 2019 – March 2020</b>
<ul style="list-style-type: none"><li>Architected, designed and developed a web based stock management application with an analytics module that improved supply chain resilience by 30% by preparing for demand surges in remote Telecom sites and saved the company upwards of 50000\$ in development costs</li></ul>		

### EDUCATION

<b>Dakar, Senegal</b>	<b>Cheikh Anta Diop University</b>	<b>2018 – 2020</b>
<ul style="list-style-type: none"><li>M.S in Computer Science (Distributed Information Systems)</li></ul>		
<b>Nouakchott, Mauritania</b>	<b>University of Nouakchott</b>	<b>2015 – 2018</b>
<ul style="list-style-type: none"><li>B.S in Computer Science (Business Informatics)</li></ul>		

### PERSONAL PROJECTS

- BFS shortest path algorithm real-time visualizer:** <https://da7a90.github.io/PathfinderVisualizer>  
A visualization of the Breadth-first search path finding algorithm using React
- Tic-Tac-Toe Serverless API:** <https://hopeful-thompson-102d67.netlify.app/.netlify/functions/getBestOutcome?board=>  
an API that returns the best possible move for 'o' if given a tic-tac-toe board string like "xo x " using the minimax decision making algorithm deployed on netlify

### Languages and Technologies

- JavaScript – TypeScript – Java – React – Node.js – CSS – MySQL – MongoDB – Serverless – Firebase – Socket.io – AWS – Git – Docker – Python – Solidity – Postgres – GraphQL – CI/CD – Dialogflow – TensorflowJS