

# Soham Basu

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## TECHNICAL SKILLS

**Languages:** JavaScript/TypeScript, Python, C#, C++, SQL, Java

**Frameworks and Libraries:** React, Express, Node.js, MongoDB, Django, Flask, Pandas, JQuery, .NET Core

**Developer Tools:** Git, Docker, AWS, Azure DevOps, GCP, Firebase

## EXPERIENCE

### Amazon

*Incoming Software Engineering Intern*

May 2024 – Aug 2024

*Vancouver, BC*

### Bronco AI (YC S23)

*Full Stack Engineer*

Aug 2023 – Dec 2023

*San Francisco, CA*

- Built a ChatGPT-style interface with React and Stampede, a query agent API that **analyzes 100,000+ documents** to answer factory-specific queries, leading to a **60% increase in average session duration**
- Developed a tool to identify vulnerabilities on the assembly line and produce risk assessment reports, **reducing failure rates by 25%**
- Designed Dashboard and Alerts page UIs using interactive charts and tables, integrating a Neo4j-React graph tool to show factory operations, **reducing bounce rate by 36%**
- Developed a drag-and-drop UI tool, enhanced with an 'Auto Generate' mockup feature to create custom business reports
- Engineered CI/CD workflows using GitHub Actions and AWS EC2 to ensure **99.9% uptime** for hundreds of sales demos

### Portfolio XpressWay

*Software Engineering Intern*

Jan 2023 – Apr 2023

*Richmond Hill, ON*

- Created charts and tables that cross-filter and **map 2000+ financial holdings** using JQuery, C# and .NET Core, **increasing Dashboard page views by 42%**
- Built DocuSight, a tool that processes and displays **thousands of financial documents and reports** using Ajax requests, **spurring a 64% increase** in monthly user interactions with financial reports
- Future-proofed tech stack with scalable React modules to support brokerages, **slashing integration times by 40%**
- Built a React Next.js app with TypeScript to host automated testing infrastructure, **reducing manual QA time by 80%**

### Birdseye

*Full Stack Engineering Intern*

May 2022 – Sept 2022

*Toronto, ON*

- Queried and transformed ad metric data using SQL and Pandas from Shopify, Meta, and Google for **1500+ campaigns**
- Developed a query engine tracking customer insights, **boosting 500+ clients' ad traffic by 44%**
- Built a Slack bot to track and up-sell products to **1000+ users**, **increasing average user value by \$3,000/year**
- Launched GCP cloud functions with Terraform to manage infrastructure, **improving data ingestion speed by 32%**
- Created charts and tables to display ad campaign performance, **increasing Campaign page views by 56%**

## PROJECTS

### Finance Portfolio Builder 📄 📄

- Developed a portfolio management tool with Next.js, integrated with Firebase to handle authentication and database
- Deployed a Python Flask server to handle quantitative analysis, and perform sentiment analysis on financial news

### Invoicer 📄 📄

- Built an invoice generator with Next.js that support multiple clients, services, and payment structures
- Designed a simple UI that allows users to export custom invoices in multiple formats

### Socratica Website 📄 📄

- Built a home page, complete with animations using SvelteKit and Tailwind that has **10,000+ monthly views**
- Developed an interactive Leaflet map, integrating Luma embeds to dynamically showcase different nodes

EDUCATION

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University of Waterloo

*Candidate for BCFM (Computer Science and Financial Management) (Double Major)*

Sept 2021 – Present

*Waterloo, ON*