# AMAR NATH

I'm a developer with a background in data and mathematics. I have more than 4 years of experience developing tools in JavaScript, React, Python and Django. I have built RESTful API solutions, interacting with databases, performing user authentication, and managing session storage.

## Contact

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## Skills

- JavaScript
  - jQuery
  - React
  - Redux
  - D3
- Python
  - Django
  - Flask
  - Plotly
- SQL
- CMS
  - WordPress
  - Bubble
- Design
  - Adobe XD
  - Adobe Illustrator

## Work Experience

### Developer / Data Scientist
*Infrastructure Ontario | 2017 - Present*

- Engineered end-to-end analytics pipelines to enable data-driven decision making using JavaScript, Python and MS Power Platform. Used REST API's to collect data, SQL for secure storage and D3 for digestible visualizations to enable executives to report corporate objectives to board members.
- Developed a real-estate portfolio optimization app using React in the front-end and Django in the back-end. The app enabled portfolio planning team to simulate various optimization strategies and implement Ontario's 10 year portfolio investment pipeline.
- Built a client engagement app using using React and Flask to allow executives to track government conversations. The app recorded client conversations, assigned follow up tasks and visualized engagement patterns such as conversation-to-project conversion rate.

### Lead Developer
*Homecooks | 2022 - Present*

- Created a vendor market place application using a CMS tool, Bubble. Led 2 team members to design assets in Illustrator, build workflows for functionality and integrate plugins such as Stripe and Twilio.

## Relevant Projects

### Burger Builder          *React | Redux | Firebase*          🌐 
React based food app that allows users to login, customize and order a burger. Firebase authenticates users and saves thier order data in Realtime database.

### Radio Fighters          *React | Redux | REST API*          🌐 
A React App that enables users to search musical bands using AudioDB API. The app generates a series of trivia questions, compares user response to correct answer and assigns a final score.

### Portfolio Tracker          *Django | REST API | PostgreSQL*          🌐 
Django app that leverages yahoo finance API to search stocks. Using session storage and postgresSQL, users can and add stocks to their portfolio and track portfolio performance over time.

## Academic History

### University of Waterloo
*Honors Mathematics - Math & Finance, 2017*