

# Sangam Kaushik

[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

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## Relevant Projects

**Uber on Slack** (Ruby on Rails, PostgreSQL, Uber API, Slack API)

[live](#) | [github](#)

*Collaborative open source project between Uber and App Academy.*

- Engineered an app to request rides from Uber via Slack commands by integrating Uber API and Slack API on a rails back-end. Integrated OAuth across both APIs to authenticate users.
- Developed integration tests for Uber API's authentication (TDD), utilizing RSpec and Capybara.
- Received 150+ likes on [product-hunt](#) and featured on Uber Developer [Blog](#).

**Space Shooter** (JavaScript, HTML5 Canvas)

[live](#) | [github](#)

*Arcade style shooting game written in vanilla JS*

- Modularized code base with object oriented design and prototypical inheritance.
- Enhanced visual appeal by rendering 32 FPS and garbage collecting out-of-play objects.
- Generated dynamic gameplay in HTML5 canvas by utilizing vector math for state updates.

**FastR Cars** (React.js, Flux, Ruby on Rails, PostgreSQL, BootStrap)

[live](#) | [github](#)

*An Exotic Car rental site inspired by AirBnb's design.*

- Featured a RESTful, JSON, Rails API to run a single page React app, utilizing Flux architecture.
- Authenticated login with hashed password (BCrypt) to ensure high level of database security.
- Integrated Google Maps API with search filters for blanket searches to streamline ajax requests.

## Technical Skills

React - Flux

JavaScript

HTML

CSS

C#

PostgreSQL

Git

BootStrap

Ruby on Rails

Heroku

TDD - RSpec

jQuery

## Work Experience

**Kaushik Algorithms** (Freelance)

Jun 2013 - Feb 2015

- Developed algorithms in C# for modelling financial trading strategies and indicators.
- Streamlined trading decisions and order entry by automating trading strategies using C#.
- Simulated and back-tested strategies using Monte Carlo methods, diagnosing failure points across 5 years of financial data for 50+ financial instruments.

**Unilever** (Sales and Delivery)

Feb 2014 - Aug 2014

- Achieved an average of \$50,000/mth in ice cream sales, exceeding target sales by 34%.
- Serviced over 300 stores across an area of 150+ square miles on a bi-weekly basis.

## Education

**Software Development**

Aug 2015 - Mar 2016

*App Academy, San Francisco, CA.*

Immersive full-stack software development program with <5% acceptance rate.

**Bachelor of Engineering - Mechanical Engineering**

Sep 2009 - Apr 2014

*Ryerson University, Toronto, Canada.*

Specialization in Mechatronics & Minor in Finance.