

OBJECTIVE

Experienced Analyst that transitioned my career into Software Engineering to build products that automate tasks, create transparency, and empower leaders to make more informed decisions through data

PROGRAMMING SKILLS

- **Languages:** Ruby, C, SQL, Python, JavaScript **Technologies:** Rails, Sinatra, Django, PostgreSQL, React
- **Testing Frameworks:** RSpec, Capybara, Minitest

OPEN SOURCE

- **Principles** github.com/Bhavikpatel576/Principles
 - A social platform where people can share their life principles
 - Technologies: Ruby on Rails, HTML, CSS, PostgreSQL, Heroku, JavaScript, RSpec
- **Ideaboard** github.com/Bhavikpatel576/Ideaboard
 - List application that allows user to create, delete, label, search, and reorganize lists
 - Technologies: Ruby on Rails, ReactJS
- **Mandelbrot** github.com/Bhavikpatel576/Mandelbrot
 - Event-driven program that implements the escape time algorithm to render the Mandelbrot set. Multithreaded operations used to split up the process between 16 cores
 - Technologies: C, MiniLibX
- **Sinatra with Hangman**
 - Created a tutorial on how to build a hangman application with Sinatra for High School Students. Tutorial goes over the HTTP request and response cycle, how routes work, and understanding ERB templates
 - Technologies: Sinatra, HTML, CSS, Heroku

EXPERIENCE

- **Daimler-Benz, Car2go** Austin, TX
Nov. 2014 - Jul. 2016
 - **Scikit-learn:** Made a Random forest prediction model for rentals using Python's scikit-learn library on 2 years of rental data
 - **Parking Calculation:** Developed a Python script that would calculate and reconcile our monthly parking invoice for the city of Calgary based off rental history
 - **Financial Planning:** Actively managed the development of the Operating Plan with the CFO and Car2go locations managers
- **Bank of New York Mellon** New York City, NY
Aug. 2011 - Jul. 2014
 - **Reporting:** Collaborated on a project to transition from Actuate reporting to Crystal reporting, saving the group \$1.4 million in costs
 - **Modeling:** Built detailed financial models for various complex structured products in systems like Eclipse and Excel

EDUCATION

- **42 School** Fremont, CA
Systems Programming, Algorithms, and Data Structures Projects *Jul. 2016 - Current*
Rewrote parts of standard C library, worked on graphics projects to understand parallel processing, tackled classic computer science problems, such as Polyomino Puzzle Solver in a pair programming style
- **The University of Texas** Austin, TX
Bachelor of Science in Economics *Aug. 2006 - Jun. 2010*