

Dev Patel

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<https://github.com/pateldd1>

[DP]

Employment

Backend Software Engineer at Cloudcade, Inc.

11/2017 – Present

- Developing a cross-platform game backend capable of supporting a vast amount of multiplayer data
- First engineer to start work on company cross-game customer service platform, implementing AWS Fargate and Docker for easy scalability

Skills

JavaScript	Node.js	MongoDB	ECS/Docker	React Native	Redis
Ruby on Rails	HTML5	AWS/Fargate	DynamoDB	C/C++	Git
ActiveRecord	React.js	Redux	RSpec	SQL	jQuery

Projects

ripplePay - Cryptocurrency Mobile Transfer

(MongoDB, Express, React Native, Node)

<https://pateldd1.github.io/ripplePay-Demo>

<https://github.com/pateldd1/RipplePay>

- Spearheaded backend development and used third-party APIs to send/receive/store cryptocurrency
- Wrote non-blocking algorithms with Node.js to link a user, their transactions, and the Ripple ledger
- Improved security of app with Bcrypt, AES encryption of secret keys, JWT, keychain, and API rate limiting

TravelSmart - Home Search and Booking

(Ruby on Rails, React, Redux, PostgreSQL)

<https://travelsmart1.herokuapp.com>

<https://github.com/pateldd1/TravelSmart>

- Properly implemented indices to create a fast search for homes by price, location, and room type
- Reduced queries for homes and reviews with SQL join tables and prefetching in ActiveRecord
- Employed REST API and React/Redux to show user's trips, show home's reviews, and create new trip

Tyranny - Spaceship Shooter Game

(Vanilla JavaScript, HTML5, CSS3, Canvas)

<https://pateldd1.github.io/Tyranny>

<https://github.com/pateldd1/Tyranny>

- Applied vector mathematics and physics to generate dynamic, animated gameplay on HTML5 Canvas
- Exercised object-oriented design in vanilla JavaScript to create multiple levels, weapons, and enemies

Publications

Published 12 math programs with 53,669 downloads written in TI-BASIC found at ticalc.org

Source: <http://www.ticalc.org/archives/files/authors/97/9749.html>

Education

Vanderbilt University - Attended with Mathematics Major - 3.332 GPA (2009 – 2011)

Smt. N.H.L. Municipal Medical College – Anatomy, Physiology, and Biochemistry - 4.0 GPA (2012-2014)

East Tennessee State University – B.S. Degree with Biology major/Chemistry minor - 3.48 GPA (2015 – 2016)

Test Scores: GRE Math: 166/170 | SAT Math: 760/800