Aadesh Patel

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EDUCATION

Rutgers University   **New Brunswick, New Jersey**
Bachelor of Science in Electrical/Computer Engineering and Computer Science   Expected Graduation: May 2017
- AP Exam: Computer Science (5)

WORK EXPERIENCE

Wolfpak   **New Brunswick, New Jersey**
Chief Technology Officer   March 2015 – Present
- Mobile application that allows users to share images and videos anonymously within their current geofence, and displays the images and videos others posted around them in real-time (Available in iOS/Android App Store: Wolfpak App)
- Solely designed and built the REST API server in python using the Django framework, which is hosted on Amazon Web Services' Elastic Compute Cloud ubuntu machines, with nginx proxy layers and a HAProxy load balancer on top
- Configured a PostgreSQL database with a Redis server to optimize performance of the server by heavily using caching
- Independently developing the iOS application with unique features such as: touch blurring, drawing, text, anonymity, and leaderboard
- Managing a team of three other developers by having code reviews, assigning deadlines, and providing guidance

Ooyala   **New York, New York**
Professional Services Developer Intern   September 2015 – Present
- Developing an Apple TV application that retrieves data from a REST API server and allows users to watch live streams and play different types of videos
- Programmed a proxy layer, using python, that retrieves data from a source, alters the data to follow specific standards, logs all changes, and sends the altered data to a remote server.

Socialblood   **Princeton, New Jersey**
iOS Engineer   May 2015 – September 2015
- Solely developed a new iOS application for Socialblood, which is an online network of blood donors where a phone number is linked to a blood type for easy emergency contact when a user is in need of a blood donor
- Designed and integrated a backend as a service, called Parse, for the mobile application

Fingertip Tech   **Eatontown, New Jersey**
Software Engineer   September 2014 – November 2014
Software Engineer Intern   June 2014 – August 2014
- Programmed high-end native and cross platform mobile applications for iOS and Android that queried REST API servers, developed using the Ruby on Rails framework
- Aided in transitioning the company from a cross platform centered organization to a more native centered organization, which resulted in a significant increase in profit
- Few From My Selected Project Experience:
  - On demand fitness app, developed for iOS and Android, that allows users to sign up for fitness sessions in real time
  - Parking rental app, developed as a cross platform application in C# using Xamarin, that searches for parking lots within a defined radius around the user's location, displays their pricing, and offers an option to rent in advance.
  - Image sharing app, developed for iOS and Android, that allows users to customize and share pictures

PERSONAL PROJECTS

Property Management Platform   August 2015 - Present
- Simplifies communication between a landlord and their tenants, by being able to post any maintenance/repair requests, pay rent, submit/view applications, and keep track of properties owned, all through the app
- Designing and programming a real time server using the MQTT protocol to allow tenants and landlords to communicate with one another via messaging and maintenance requests in real time
- Developing the server using the Java Spring framework, which uses the Stripe API to handle all payment processing

PushCpp   August 2015 – Present
- Push notification client for Apple's Push Notification Services and Google's Cloud Messaging, written in C++

AsyncKit   August 2015 – Present
- Asynchronous library for iOS, written in Swift, that brings the concurrency concepts of futures and promises to iOS

TECHNICAL SKILLS

Languages: Java, Objective-C, Swift, C++, C, Python, Go, Ruby, C#, Javascript, HTML, CSS
Database Related: MySQL, PostgreSQL, SQLite, SQL, PL/SQL, MongoDB
Frameworks/Libraries: Ruby on Rails, Django, Django REST Framework, Spring Framework, ASP.NET, AWS EC2, S3
Technologies: Xcode, CocoaPods, Xamarin, Git, Unix, Amazon Web Services EC2 and S3
Networking: TCP, HTTP, Nginx, REST API, HAProxy, Websockets, MQTT