Arpit Patel

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SKILLS

**LANGUAGES**

JavaScript • Java • Python Scala • C • C++ • Bash

Swift • Objective-C

## FRAMEWORKS

Node.js • Flask • Spring AngularJS • React Native

Native iOS • Native Android

## OTHER

AWS • Google Cloud • Azure Heroku • Kubernetes • Docker Git • Linux/Unix • Elasticsearch Dialogﬂow

# EDUCATION

## UNIVERSITY OF WATERLOO

### BS IN COMPUTER SCIENCE

September 2015 - May 2020

Relevant Coursework:

* Object-Oriented Programming
* Algorithms
* Operating Systems
* Distributed Systems
* Networks
* Security

# EXPERIENCE

**ESENTIRE** | SOFTWARE ENGINEER INTERN

September 2019 - December 2019 (Future) | Waterloo, ON

* Will be developing highly available and scalable services using AWS, Terraform, etc

**AMAZON.COM** | SOFTWARE ENGINEER INTERN

May 2019 - August 2019 | Vancouver, BC

* Avoided forecasted 15% increase in manual retry rate by implementing automatic retries on system healthy notiﬁcations using AppSync, Lambda, DynamoDB, Spring, and AngularJS
* Reduced bulk workﬂow execution time for Amazon Associates by 50% by utilizing meta-data from previous network call to avoid redundant polling per product id

### **LCBO** | SOFTWARE ENGINEER INTERN

September 2018 - December 2018 | Waterloo, ON

* Improved product search accuracy by 68% using preﬁx matching
* Determined relevant parameters for the Elasticsearch conﬁguration by implementing a scoring algorithm in Python
* Enabled voice search by building a Node.js service that utilizes Dialogﬂow
* Developed a cocktail mixing iOS app to guide usage of LCBO products

**TAPLYTICS** | SDK ENGINEER INTERN

January 2018 – April 2018 | Toronto, ON

* Reduced vital view load time by 50% for a client’s app by improving the iOS SDK’s view swizzling lifecycle
* Shipped and implemented entire mobile side of launch control, which achieved 3rd place on daily [*product hunt*](https://www.producthunt.com/posts/taplytics-launch-control)
* Resolved various client issues by reverse engineering them using Apktool
* Fixed long-standing React Native SDK bugs and implemented native bridge methods
* Unit tested all changes made using XCTest and Mockito

**3CONX** | IOS DEVELOPER INTERN

May 2017 – August 2017 | Waterloo, ON

* Ported MavLink enabled drones by building an SDK using the MavLink Protocol
* Increased drone communication range by 3 km by developing a UART bridge
* Mitigated potential battery damage by implementing a ‘safe’ ﬂight capacity feature

**L’FOCUS CONSULTANCY INC.** | IOS DEVELOPER INTERN

May 2016 – August 2016 | San Jose, CA

* Developed iOS port for Pharmaceutical app, SnapRx (10,000+ downloads)
* Reduced login and registration time by implementing form auto-ﬁll

# PROJECTS

### **VIDZAM** | IDENTIFIES MUSIC IN A SEGMENT OF A VIDEO

* Managed music identiﬁcation by developing and deploying identiﬁcation and authentication microservices
* Improved scalability by containerizing and orchestrating automated deployments using Kubernetes and Docker
* Added security measures by sanitizing input, utilizing authentication tokens, throttling, and queuing requests
* Tech Stack: EC2, GKE, Docker, Node.js, Swift, FFmpeg, ACRCloud

Buy courses from ITversity

Hadoop fundamentals,(Imp)

HIVE, relates to Spark(Imp)

Medium

Hbase- No sql Database(Mango DB and Dynamo).(Imp)

durgasoft

Oozie-Bigdata Stack it actualy schedule (Scheduler team TWS team schedule)(Imp)

Pig.(imp)

Bigdata Stack

Choose pick

Spark.( Last and Important and trending)

Python

P programming

Statistics