

# Sushant Raikar

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## EDUCATION

### UNIVERSITY OF WATERLOO

#### MMATH IN COMPUTER SCIENCE

Sep 2017 - Present | Waterloo, ON

Cumulative Percentage | 95.5%

TA | Introduction to Computer Science

Courses | Advanced Distributed Systems •

Software Engineering in Ultra Large

Repositories

### NIT GOA

#### BTECH IN COMPUTER SCIENCE

Jun 2011 - May 2015 | Goa, IN

Department Rank #3

Cum. GPA: 8.9 / 10

## LINKS

Github:// [HotSushi](#)

LinkedIn:// [sushantraikar](#)

YouTube:// [sushantsraikar](#)

Blogspot:// [sushantprojects](#)

## SKILLS

### PROGRAMMING

Java 8 • Python • Ruby • C++ • Elixir •  
Erlang • Javascript | Spring • Guice •  
Web2py • Rails • Phoenix | PostgresDB •  
CouchDB • Elasticsearch • Redis | Git •  
Phabricator | Resque • RabbitMQ | XMPP  
• MQTT | Logstash • Kibana

## PERSONAL PROJECTS

- SushIFS: my own filesystem
- BTech Thesis: Depth perceiving robot
- Mozilla Firefox: Automatic triaging of bugs
- Android steering wheel for games.

## AN ANECDOTE

"Code moving into production in one hour. A brand new service that generates Credit Card information (PIN/ CVV2/ PAN). 50K users eagerly waiting for their cards. BUT WAIT!! I scream. I shout. "There is a BUG". "Expiry date is MMY Y not YYMM". Nobody noticed this small but colossal bug. Consequences would have been harsh, disappointed users, hacky workarounds, retraction, revenue loss. But my vigilance came to the rescue. "

## EXPERIENCE

### DIRECTI | BACKEND ENGINEER

Sep 2016 – Aug 2017 | Mumbai, IN

- Collaborated with front-end team to design a Spring back-end server which allowed users to open Savings Account within 5 minutes on their phone.
- Programmed an easy-to-use interface over Luna Hardware Security Module.
- Coded a standalone service that can generate Visa/ MasterCard/ Rupay cards with extremely sensitive data such as PIN, CVV and securely transmit it to printing vendors.

### HOUSING.COM | BACKEND ENGINEER

Jun 2015 – Jul 2016 | Mumbai, IN

- Reduced company expenses by coding a Rails server with Postgres db to identify stale listings.
- Fortified Elixir based chat server by adapting to functional programming paradigms and MQTT based messaging broker.
- Researched and developed novel logging mechanism with ELK stack for generally lacking Elixir framework Phoenix.

### IP-OVER-P2P | GOOGLE SUMMER OF CODE 15, STUDENT DEVELOPER

May 2015 – Sep 2015 | University of Florida, FL

- Improved ease-of-use by designing a server in Web2Py to remotely monitor and control VPN-participating nodes.
- Programmed a PyQT client to zombify nodes to be controlled by server through XMPP communication.

### LYX | GOOGLE SUMMER OF CODE 14, STUDENT DEVELOPER

May 2014 – Sep 2014 | Bell Labs, Ireland

- Analysed different document sharing tools such as GDocs, Codeshare etc.
- Developed unorthodox peer-to-peer document sharing technique designed to work with off-the-shelf XMPP servers.
- Examined and solved perplexing collision cases.

## AWARDS

### GOOGLE CLOUD DEVELOPER CHALLENGE 13 | FINALIST

Developed 'Project Scholar', a project management social networking site to find peers, mentors, projects. The project was amongst top 8 finalists in India.

### INTEL APP INNOVATION CONTEST 13 | MOST INNOVATIVE PROJECT

Programmed '3Do-Nomic camera', an app to click 360 degrees panoramas with the help of inbuilt sensors. The project was selected for being most innovative.

### GOOGLE APAC 14 | COMPETITIVE CODER

Achieved meritorious results in a series of algorithm questions that had to be solved in a time-constrained environment.