AKSHAY GOEL

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Skills

TECHNICAL
Java, C++
HTML, CSS, JavaScript
Node.js, MongoDB
Android (Basic)
Docker
Linux, Unix
MIPS32, x86 Assembly
Git
Amazon Web Services:
➔ EC2, S3, ELB, Lambda, Kinesis, SNS, Machine Learning, Cloudwatch

SPOKEN LANGUAGES
English - Native
Japanese – Native
Hindi - Native

Activities & Leadership

VT Resident Advisor
2016 - Present

Hackers@VT
Hacker Chair, Treasurer

VTHacks Organizer's Committee (Hackathon)
Sponsorship Team & Android + Web Developer

VT Programming Team

VT Engineering Student Ambassador

Student Council President, High School

Education

Virginia Tech – Honors College
BS Computer Science 2019, with a minor in Math
GPA: 3.91

Dean's List with Distinction:
Fall 2015, Spring 2016,
Fall 2016, Spring 2017

Employment

Rackspace - Software Developer Intern - Virginia
(Fanatical Support for Amazon Web Services Team)   May 2017 – Aug 2017
- Developed a scalable orchestration engine for running mass automations on over 13,000 EC2 instances by checking AWS SSM agents and running audit tasks.
- Also created an API that posts to an endpoint when users make account modifications, by triggering a Lambda function with use of a Kinesis Stream.
- Became proficient in Amazon Web Services SDK, extensively used Git, and performed regular code reviews. Learned the value of Continuous Integration, and having regular metrics & monitoring through Datadog and Cloudwatch.

Rakuten – Big Data Intern – Tokyo   July 2016 – Aug 2016
- Developed a full stack search tracker using Node.js and Cassandra for Rakuten's search engine to record all searches made up to 10 days.
- Tool runs automatically, tracks searches, and alerts Rakuten whenever there are unexpected significant changes in daily search results.
- Can handle thousands of records while being time and space efficient.

Motion Gallery – Software Developer Intern – Tokyo   May 2016 – July 2016
- Created a mini-theater service for cafes with basic Ruby on Rails and SQL3 using the Model-View-Controller architecture.

Personal Projects

Anonymously Text Anyone   July 2017
- Created an API with a UI to anonymously text anyone in the world by providing just a phone number. The API endpoint triggers an Amazon Lambda function which then sends the text through Amazon's Simple Notification Service.

Yeast-Mutant Database (Undergraduate Research)   Jan 2017– Present
- Researched and created a computational infrastructure to support creation of a CRUD database of genetic mutants in Node.js and MongoDB.

CodeView   July 2016 – Sept 2016
- Developed a web service for conducting online real-time programming interviews. Made using Firebase, ACE editor and is completely client-side.

TimeCheck   Jan 2016
- Developed Android app for communication between bus drivers and passengers using Twitter's Fabric API at Hoya Hacks.

Awards & Certifications

AWS Machine Learning Certification, *LinuxAcademy – License 87604*	July 2017
AWS Concepts Certification, *LinuxAcademy – License 85998*	July 2017
AWS Essentials Certification, *LinuxAcademy – License 86719*	July 2017
Bruce H. & Dorothy R. Pauly Scholarship, *VT College of Engineering*	June 2017
Recipient of Housing Scholarship, *Virginia Tech*	Aug 2017
Recipient of CSRC Scholarship, *Virginia Tech Computer Science Dept.*	Aug 2016
Most Interesting use of Twitter API for TimeCheck, *Twitter*	Jan 2016
3rd best hack at Hoya Hacks, *Hoya Hacks*	Jan 2016