VIVEK PANDEY

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PROFILE

A full stack software engineer and big data engineer with around four years of professional experience in application development and big data analytics. Led small engineering teams in fast-paced start-up environments to rapid prototype robust and scalable technical solutions. Worked and consulted for several American Fortune 500 companies. Proficient in a wide range of programming languages, web development frameworks, cloud computing technologies, and picking up more everyday.

EDUCATION

Ramapo College of New Jersey   Mahwah, New Jersey
B.S. in Computer Science, 2017
Awards: Magna Cum Laude, College Honors Program, Presidential Scholarship, Deans List, Research Honors Awardee
Coursework: Artificial Intelligence, .NET Environment, Database Design, Web Apps, Network Programming, Algorithms

SKILLS

Languages: JavaScript, TypeScript, Python, GraphQL, Java, SQL, C++, C#
Server-side Frameworks: Node.js, .NET, Express.js, Sails.js, Flask, Serverless, Chalice
Client-side Frameworks: Angular, Vue.js, ReactJS, React Native, Bootstrap, Material, SCSS, jQuery
Database Systems: MySQL, SQL Server, Oracle, MongoDB
Cloud Computing Platforms: Amazon Web Services, Microsoft Azure, Google Cloud Platform
Big Data Technologies: Familiar with Hadoop, Hive, Spark SQL, Impala, Talend ETL, Hbase, Sqoop
Development Platforms: Dockers, Alexa, Deployment Pipelines, Git, Visual Studio, Android Studio, Eclipse

EXPERIENCES

Knowledgent, part of Accenture | *Software/Big Data Engineer, Technical Lead* | *Greater New York*   June 2017 - Present

- Building highly efficient, fault-tolerant and scalable technical solutions for various Fortune 500 and Global 1000 companies by providing consulting services in the roles of Software Engineer, Data Engineer and Technical Lead
- Lead UX/UI Engineer responsible for code ownership, design, development and maintenance of a responsive, interactive and intuitive client-side Web App from scratch using Angular 4+ and Node framework - for Kariba, Knowledgent's Enterprise Data Catalog Solution used by multiple health care and pharmaceutical industry leaders
- Contributed 95% of the codebase in Kariba's V3 client web application which is regularly used by hundreds of data stewards
- Developing efficient and robust backend REST APIs in Java Springboot for the Kariba Platform
- Mentoring new engineers joining the team, delegating tasks related to Kariba's front-end, performing code reviews, approving pull requests, co-ordinating prod builds, identifying and fixing time-sensitive bugs while coding out high priority new feature requests day-to-day
- Engineering the process of data extraction, profiling, exploratory analysis, source selection, cleansing and transformation to feed into machine learning models and master data management solutions

United Parcel Service | *Software Automation Engineer (Co-op)* | *Greater New York*   May 2015 - June 2017

- Designed, developed and tested automated processes and applications using C# .NET framework to save manual efforts on environment configurations, test run scheduling, status notifications, file transfers, network traffic monitoring, etc.
- Developed testing libraries, scripts and other resources using hybrid testing frameworks for API and GUI driven automated regression testing of the WorldShip Software
- Designed and implemented a critical automated production system from scratch that validated rating data sent to customers
- Mentored junior co-ops and interns for test case re-engineering, scripting and code reviews

Ramapo College, Virtual Reality Research | *Research Assistant for Dr. Scott Frees* | *Mahwah, NJ*   Sept. 2014 - Sept. 2015

- Assisted a senior peer in developing and configuring a virtual environment using Unity3D Engine & various VR equipments
- Experimented with hybrid mobility scaling techniques to achieve low simulation sickness in virtual reality navigation

CONSULTING ENGAGEMENTS

Gerdau Ameristeel | *Technical Lead, Big Data and AWS Engineer* | *Tampa, Florida*   June 2018 - Nov. 2018

- Set architecture directions for the team, tracked day-to-day technical status and handled communications with stakeholders for building Machine Learning solutions to boost sales intelligence in customer segmentation, order forecasting and product recommendations
- Engineered over 70 gigs of data using Python, deployed the data pipeline along with machine learning models and a rapidly prototyped web app on AWS for productional use

Amgen | *Software Engineer* | *Portugal (Remote)*   Feb. 2018 - Mar. 2018

Scripps Health | *Big Data Engineer* | *San Diego, California*   Nov. 2017 - Jan. 2018

QBE Insurance | *Big Data Engineer* | *Australia (Remote)*   Aug. 2017 - Sep. 2017

ENTREPRENEURIAL VENTURES

Veniqa | *Co-Founder, Chief Platforms Architect*   Sept. 2018 - Present
- An ecommerce platform and logistical service that aims to make fashion products from western luxury brands accessible to people in eastern countries
- Chief Platforms Architect leading a technical team of engineers and interns in developing the ecommerce platform from scratch while also closely shaping up the core logistical processes
- Single-handedly designed and developed two web servers serving over 90 APIs associated with user and shopping experiences, inventory and order management

Tip of the Tongue | *Lead Developer*   Dec. 2018 - Present
- A Machine Learning based platform that recommends words on the tip of your tongue based on contextual phrases
- Responsible for design, development and deployment of user facing applications suite comprised of Web app, voice activated iOS, Android and Alexa skills

CERTIFICATIONS

- Certified Associate Developer | Amazon Web Services   Aug. 2017

HONORS & AWARDS

- Presidential Scholar, Ramapo College of New Jersey
- Mentor & Expo Judge - HackPrinceton 2018, Princeton University, NJ
- 1st Place (Solo Hack) - RamapoHacks 2017, Ramapo College, NJ
- 2nd Place & Best Medical Hack - LehighHacks 2016, Lehigh University, PA
- Best Use of Mashery API - HACKRU 2014, Rutgers University, NJ
- Featured Song in "The New York Times" Website: On Camera to get off the waiting list - May 11, 2013
- Presenter in three national and four regional collegiate conferences on subjects like Virtual Reality, Digital Footprints & AI
- Guest Speaker for the "EducationUSA (U.S. Educational Foundation) - Get Inspired Talk Series" in 2013 and 2017

RAPID PROTOTYPING

Ava | *2nd Place & Best Med. Hack in LehighHacks 2016, Microsoft US Imagine Cup Semi-Finalist*   Dec. 2016
A smart medical application prototype which will read your prescriptions/medicine labels and remind you to take medicines accordingly, notify your near ones and help them find you in case of emergencies, provide guidance for first responders, et cetera.
Platforms used: Python-Flask framework, Java-Android, MongoDB, Google Vision and Maps, Twilio, Microsoft Azure

Booksterdam | *1st Place in RamapoHacks*   Apr. 2017
A prototype application to facilitate college students to easily buy and sell used books within their campus.
Platforms used: Node.js, Express.js, MySQL, Amazon Web Services, isbndb.com, openlibrary.com, etc