

Garrett Vance

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EXPERIENCE

Mobile Tech Rx, Austin — V.P. of Engineering

2019 - Present

Lead front and backend engineering teams from MVP in 2014 to acquisition in 2021. The technology stack included multiple backend APIs built with NodeJS, MongoDB, PostgreSQL, React, Android and iOS apps. Managed the development of sprints following an Agile approach with Jira, Trello, and GitHub. Worked closely and provided feedback with executive teams, key stakeholders, and remote teams to design, implement, and deploy features in development, staging, and production environments.

Bohemian Innovation, Austin — Software Engineer

2013 - 2019

Principal engineer working on full stack projects from interactive vending machines, to award winning mobile applications such as Charity Miles and Socrative. Responsible for delegating and coordinating development efforts with overseas teams.

EDUCATION

Texas A&M University, College Station — B.S. Technology Management

Class of 2013

Worked for the University's Math department as a Linux Administrator, imaging computers connected in a Beowulf Cluster. Passed a Cisco CCNA certification exam while taking networking classes at Blinn College.

PROJECTS

Audio Project - 2018

Co-founder and engineer. Developed a model using Adversarial Training of Convolutional Neural Networks capable of removing background noise from audio signals. Presented at Defense TechConnect Innovation Summit & Expo in 2018.

Vehicle Damage Detection - 2020

Developed an Artificial Intelligence powered marketplace which used a modified implementation of the Mask R-CNN to detect, classify, mask, and quantify a price value, via an additional head, of vehicle damage from a single image.

The Adventure Project - 2016

The Adventure Project works to bring clean water and skills to rural, remote, areas of the world. Integrated with WordPress and Stripe to build a fundraising widget which helped deliver clean water to over 1000 people in Uganda.

SKILLS

Tensorflow

- Keras
- GAN
- CNN

AWS

- API Gateway
- CloudFormation
- EC2
- ECS/Fargate
- IAM
- Lambda/SAM
- Sagemaker
- SSM
- VPC

Javascript/Typescript

- NodeJS
- NextJS
- React

Python

- Django
- Flask
- Numpy
- SciPy

REST/GraphQL/RPC

Firebase

- Firestore

MongoDB

Docker

Git

- CI/CD with Github Actions