BRANDON KUBICK

FULL-STACK SOFTWARE ENGINEER | AEROSPACE ENGINEER

SUMMARY

Results-driven Full-Stack Software Engineer with a background in Aerospace Engineering. Experienced in agile methodologies, developing and integrating microservice APIs, designing structured architectures, and streamlining development processes. Skilled in Python, TypeScript, Vue.js, Docker, SQL, and Flask. Certified TensorFlow developer.

EXPERIENCE

Catalant Technologies (Boston, MA - Remote)

Software Engineer 2   JUL 2022 – JUN 2023

- Promoted after one year due to exceptional performance, high quality code, and initiative to take on challenging projects.
- Authored and reviewed technical documentation, standardizing architectural patterns across the platform code base and microservice API.
- Implemented a redesigned payment tracking page, enhancing UX by managing state, reducing payment specific customer support tickets by more than 20%.
- Primary engineer dedicated to maintaining the notification system microservice, ensuring minimal/no bug count and optimal performance.

Software Engineer 1   JUL 2021 – JUL 2022

- Spearheaded development and implementation of a microservice API with GCP that can handle more than 2K+ requests per second, decoupling notifications from the platform.
- Integrated Vue.js with the platform's form handling architecture, enabling client-side validation and reducing form load and submission time by more than 300%.
- Transformed expert dashboard using Vue.js and Flask, improving clarity and reducing page load time by more than 50%.
- Adapted large-scale refactors, converting monolithic code to an N-tier architecture, reducing code complexity and coupling, and increasing performance.

TurbineAero, Inc (Tempe, AZ)

R&D Engineer   MAY 2020 – JUL 2021

- Promoted to R&D Engineer within one year due to technical expertise following multiple development projects that improved support for legacy turbine engines.
- Integrated a metal spray system, leveraging RobotStudio, RAPID language, 3D Models, and simulations to streamline development and 2x product throughput.
- Elevated to the role of head engineer for the metal spray department, contributing to over 40% of the total site revenue and over-seeing 10+ operators.
- Dedicated engineering liaison for major customers, and through cross-collaboration with the engineering team, increased throughput by more than 1.3x.
- Managed a 2-month intern program, which included conducting interviews, facilitating mentorship, and orchestrating engineering projects.

MRO Engineer   AUG 2019 – MAY 2020

- Tracked and analyzed APU repairs for key customers, delivering quarterly presentations on 50+ work-scopes and providing opportunities for future repairs and enhancements.

EDUCATION

Columbia University (New York, NY)

B.S. Mechanical Engineering   SEP 2017 – MAY 2019

University of Redlands (Redlands, CA)

B.A. Physics   SEP 2014 – MAY 2017

CERTIFICATES/LICENSES

TensorFlow Professional Developer Certified   EXPIRES OCT 2026

CONTACT INFORMATION

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- linkedin.com/in/brandonkubick/
- github.com/bkubick/

SKILLS

Programming Languages

Python/Python3

TypeScript

JavaScript

Java

C++

MATLAB

HTML & CSS

Databases

MySQL / SQLite

Developer Tools

GitHub/Git

Docker

Kubernetes

OS & Cloud Platforms

Google Cloud Platform (GCP)

Amazon Web Services (AWS)

Linux

TECHNOLOGIES

Flask • Celery • RabbitMQ • JWT • Vue.js • React.js • Bootstrap • Tailwind • Django • Webpack • Elasticsearch • TensorFlow

STRENGTHS

Software Architecture/Design • Agile/Scrum Methodologies • CI/CD • Project Management • Machine Learning • Test Planning • Technical Writing