

Kartikeya Shukla

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WORK EXPERIENCE

Cruise Automation | San Francisco, CA

Dec 2017 - Present

Software Engineer

- Working for Engineering productivity to revamp Cruise CI process to shorten development cycles for AV engineers - Leveraging Python, Go, Docker for the same.
- Designed and implemented a test framework using Python, Bazel and Bash scripting to validate Map data used in the AVs.
- Writing Python and C++ unit and integration tests for Simulation and Mapping engineering teams.
- Integrating code coverage and static analysis tools to the codebase to gathering code quality metrics and improve software quality.
- Interviewed, on-boarded, and helped team members get on track and learn the variety of tools and systems used across our development teams.

LaunchByte.io | Boston, MA

Apr 2017 - Nov 2017

Full Stack Engineer

- Collaborated with startup founders to design system architectures, wireframes and technical designs and their apps.
- Project Managed, creating Project Plans to keep track of weekly sprints and overseeing the development process for two offshore teams, with 10+ members.
- Spearheaded mobile development, iOS and Android, for *Worthee* - community app for hourly workers.
- Supervised and mentored Software Engineering interns. Responsible for assigning tasks, performing code reviews etc.
- Designing the LaunchByte.io platform, using React. The platform aims to help founders kick start their startups autonomously and includes custom business logic, integration of third party APIs such as Google Calendar, Asana, Slack, Stripe etc.

NVIDIA | Santa Clara, CA

Jan 2016 - Aug 2016

Graphics Software Intern

- Developed a text rendering utility in OpenGL ES. This utility is now being used as the standard solution for NVIDIA's companywide automated testing application, thereby increasing efficiency for engineers to identify potential impacts of code changes.
- Worked with the Automotive Embedded Graphics team, and contributed to EGL and Linux bug fixes, along with OpenGL ES enhancements on client-specific demos and POCs.
- Integrated ccache to the code base to reduce build times by 35%, for the Embedded-Linux workforce.

Accenture | Bangalore, India

July 2011 - May 2014

Software Engineering Analyst

- Proposed and implemented major process improvement initiatives for client-specific scheduled activities, by developing workflows in PPM and PL/SQL, which reduced effort hours by 85%.
- Formulated a process to migrate client project planning data, spearheaded the migration to production with zero defects for 15 clients and developed a Java utility which reduced time, by 90%, for performing pre-migration activities.

TECHNICAL SKILLS

Languages:	Java, Python, C++, Go
Web:	ReactJS, Redux, NodeJS, Express, Redis, Flask, Nginx, Docker, Three.js
Databases:	PostgreSQL, MongoDB

EDUCATION SUMMARY

Northeastern University | Boston, MA

Sept 2014 - Dec 2016

Master of Science in Computer Science, GPA 3.6/4.0

Relevant Courses: Machine Learning, Algorithms, Computer Systems, Data Mining, Web Development, Computer Graphics, Program Design Paradigms.