

Keshav Prasad Kuruva

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SUMMARY

Experienced Director of Engineering with 15+ years of leadership experience in developing and managing software in industrial, entertainment, health care and enterprise systems. Adept in delivering innovative solutions to complex engineering projects. Proven track record of successfully launching and maintaining complex engineering projects. Proficient in building high performing engineering teams, creating opportunities and growth for people, and building innovation and value streams for the organization. Experience in managing and driving growth across lean startups and large SaaS based organizations across product, engineering and design. Cultivates Succession planning, Strategic thinking and Building a vision for new products and platforms in organizations.

EXPERIENCE

Director Of Engineering

Autodesk

July 2022 - Present, United States

- Responsible for driving vision/strategy/culture/execution and delivery of 2 engineering domains at Autodesk (Digital Experience Platform and Platform Engineering). DEP domain contributes to the web experiences for Autodesk.com using AEM as CMS and React Micro frontends as reusable and individually operatable components for use by eCommerce teams.
- Platform Engineering domain contributes to CI/CD, Devops, Automaton, inner sourcing systems and Scalability/Reliability functions of the engineering teams.
- Responsible for driving Test Automation, Engineering Productivity and Engineering Excellence capabilities across the application engineering domains.

Senior Engineering Manager - Platform Engineering

Autodesk

June 2021 - July 2022, San Francisco

Responsible for building a new org for platform and creating strategic vision to the new platform engineering teams to increase engineering productivity across all application domain teams. Created 5 new functions (Integraton & Delivery, Platform Automaton, Scalability & Reliability, Standards and Predictive Analysis for Logging and Tooling, Customer Facing Platform for Inner Source systems using MFEs and Design Systems) under Platform org with a team of Devops and automaton engineers and a senior manager to drive each of these functions. Working with managers, architects and platform owners in creating and prioritizing Quarterly Roadmap with rest of the platform teams and sharing the roadmap with leadership for stakeholder alignment and engagement. Fostering Autodesk culture code across the org and creating succession planning to promote career growth for engineers in the team. Driving monthly reviews and OKR reviews across the org and reflecting the impact and outcomes that are contributing to the engineering productivity with stakeholders(Product, Design and Engineering Teams).

Senior Engineering Manager - eCommerce Transaction Engineering

Autodesk

October 2019 - May 2021, San Francisco Bay Area

Responsible for building high performing transaction domain full stack engineering teams responsible for checkout experiences on Autodesk eCommerce subscription platforms. Mentoring, Coaching and Creating career prospects within the teams and structuring teams to self-organize and drive innovation from a platform standpoint. Led the Micro Frontends guild across Digital Platform Experience Group in Autodesk. Led the hackathon for FY22 across the group and promoted employee engagement and innovation. Led the Automation initiative for customer journey testing across the entire eCommerce platform. Filed a patent around AR/VR interfacing and operations of remote systems. Filed 2020.

Engineering Manager and Delivery Lead

RPX Corporation

December 2017 - September 2019, San Francisco Bay Area

Starting an exciting opportunity with the patent acquisition leader RPX.

Vast domain and bigger data complexity to deal with but got an opportunity to work with a joyful and strong team who have engineered the system architecture and data flow so well.

Working as a Engineering Manager/Scrum Master for web application team and building new features and stories using Rails,Angular, React, Highcharts, D3 and Postgres with SOLR as the search platform.

Supporting content teams by providing integration and custom development of new content types on CMS like Wordpress. Driving new feature development on Wordpress. Debugging and maintaining cms servers for enhancements and upgrades.

Supporting CI/CD workflow for applications and creating technical debt based on performance and error reports shared by monitoring tools like HoneyBadger, Code Climate and New Relic

Principal Engineer / Engineering Manager **Pramati Technologies Private Limited**

December 2010 – September 2019, Mountain view, California

Worked full time for a health care company as a full stack engineer building features and components on Rails front end with java web services using jruby and mysql as the database. Contributed to building cron jobs and command line scripts to trigger batch jobs to process periodic data sets for testing teams.

Experienced in building jquery and javascript components.

Engineering Manager **Castlight Health**

March 2015 – December 2017

Stepped up to be an Engineering manager for exciting product like Action and continuing to deliver new engagements with a wonderful team and individuals at Castlight since 2 years. Been part of agile scrum team as a full stack lead developer contributing to front end ruby and jquery views and at times writing web services in java to support the needs of the team.

Actively mentoring team members and doing benchmarking /profiling of application to optimize and find areas which required refactoring. Integrating brakeman tools as part of CI to streamline quality code reviews and checkin processes.

Weekly 1:1 meetings with the team members and identifying opportunities to help them succeed and providing constructive feedback to better their approaches in implementing new features. Being candor in all the meetings and encouraging the team to listen and help each other to think smarter.

Engineering Manager **Castlight Health**

August 2012 – June 2015

Lead development of features like User Reviews into the Castlight web application and managed a offshore team of principal and UX engineers to build components to support FTUX and reviews. Actively coding on ruby on rails and in parallel integrated a small scale version of the castlight application in angular 1.x for a customer.

Built a application interface to integrate salesforce live agent into the web application. Actively documenting user guide, tools and bash scripts built for assisting QA teams needs to trigger APIs.

Tech Lead **Honeywell Aerospace**

September 2009 – December 2010, Sep 2009 – Dec 2010 · 1 yr 4 mos

Working as Tech Lead in Honeywell Aerospace mainly on mobile web application using php with Code Igniter and mysql. Integrated Google maps API and built a front end layer using php to cater various browser and mobile platforms as hybrid application.

Actively participated in Whiteboarding and designing new features for application development and integration of legacy components.

Contributing to upgrade the current application to newer versions of web framework.

Participated and been an inventor to file a patent on point and click messaging for flight waypoints. Patent pending for approval.

Open Source Architect **InnoPark(India) Pvt.Ltd**

March 2008 – August 2009, Hyderābād Area, India

Worked on building/architect ing LAMP apps and integration of amazon s3 services using ruby and python for casino web apps.

Development Engineer **ProductDevelopment Company**

August 2007 – January 2008, Aug 2007 – Jan 2008 · 6 mos

Worked on building web 2.0 apps using Ruby on Rails, lamp(linux,apache,mysql and php) and jquery. Few months of Adobe Flex with php.

Software Engineer **Applabs Technologies**

October 2005 – July 2007, Oct 2005 – Jul 2007 · 1 yr 10 mos

Worked as a Software Engineer for 2 years in Open Source Applications and Product development for QA suites using PHP,MySQL, Javascript and Linux for shell scripting or cron jobs.

PROJECTS

PATENT INVENTOR

Autodesk Inc · <https://patents.google.com/patent/US11567571B2/en> · May 2020 – January 2023

· A technique for controlling a target device via a virtual interface, the method including receiving a control input from a virtual interface, determining a control signal based on the control input for an operation to be performed by a first device that is configured to be controlled wirelessly, and transmitting the control signal to the first device to cause the first device to perform the operation.

kayak api

June 2009 – July 2009

The search API is an HTTP interface that lets you, the programmer, integrate kayak.com searches and results into your web site, desktop application, or mobile phone application. If you can make an HTTP connection, you should be able to use this API.

EDUCATION

Masters of Sciences in systems Engineering and Engineering Management

The George Washington University · Washington, DC · June 2022

Bachelor's degree in Computer Science and Engineering, Computer Science

Sri Krishnadevaraya University · 2005

CERTIFICATIONS

Certificate of IEEE Computer Society

IEEE Computer Society · 2023

denoting a personal and professional commitment to the advancement of technology

Certificate of IEEE Membership

IEEE · 2021

· denoting a personal and professional commitment to the advancement of technology

INVOLVEMENT

People and Culture Manager

Castlight Health · August 2014 - October 2017

SKILLS

Industry Knowledge: Augmented Reality, Virtual Reality, Intellectual Property, Mobile Applications, Software Development, Web Applications, Agile Methodologies, Web Services, Scrum, Requirements Analysis, Shell Scripting, System Architecture, Scrum master, SPA, Software Development Life Cycle (SDLC), User Experience (UX), Engineering Management, Data Analytics, Sprint Planning, Management Engineering,

Tools & Technologies: Rust programming, ChatGPT Prompt Engineering , Java, JavaScript, HTML, Android, XML, MySQL, SQL, jQuery, Ruby on Rails, AJAX, Linux, Python , React , Django , Rocket , PHP, Ruby, PostgreSQL, Wordpress, Mysql, React Native, Relational and Non-Relational Databases Design

Interpersonal Skills: Leadership

Languages: English, Hindi, Telugu

Systems Development, Artificial Intelligence Design, Modular Architectures, Micro Frontends Development, Machine Learning, Augmented Reality, Virtual Reality,

patent: PATENT INVENTOR, Intellectual Property