

# Kenneth V Kennedy

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## SKILLS

- Web Development** : Front and back end development, well versed with systems best practices in web application development, trained in web security best practices and back-end systems security & major compliance standards.
- Programming Languages** : C++, Java, Perl, Python, SQL, JavaScript, HTML, Bash.

## EXPERIENCE

### Google

June 2019 - Present

Sr. Software Engineer, YouTube Music, San Bruno  
Software Engineer, YouTube Music, Mountain View / San Bruno

Oct 2022 - Present  
Mar 2021 - Oct 2022

- Lead engineer on the Ingestion Pipeline for processing media files into YouTube.

Software Engineer, Google Podcasts, Mountain View

Nov 2019 - Feb 2021

- Enable queuing episodes and playing from it on Google Podcasts.
- Building the infrastructure to enable adding podcast RSS feed URLs to user libraries.

Software Engineer, Search & Assistant, Mountain View

June 2019 - Nov 2019

- Help enable personalized audio news.
- Revamp design and implementation of assistant voice prompts with music (virtual news host).

### Endurance International Group

July 2016 - June 2019

Software Engineer, Headquarters, Burlington

Jan 2018 - Present

- Train and cultivate better programming practices introducing concepts of object oriented development and modern engineering practices to fellow developers in Perl.
- Implementation of a system and integration of other legacy systems to ensure GDPR compliance.
- Billing platform overhaul to offload payment processing to an off-site teams payment as a service platform to reduce PCI scope and ensure PCI compliance.

Software Developer, EIG - Directi Web Technologies Pvt. Ltd., Bangalore

June 2017 - Jan 2018

- Monetized calls to resolve unmanaged domains on the blackbox DNS system with limited resources.
- Aided modifications to several processes of the platform to meet PCI & SOX compliance requirements.
- Introduced Spring for dependency injection and rearchitected database connection management in revamped code flows defining new programming standards in what was a legacy platform.
- Conducted skill share sessions to train participants on using Spring Boot and Spring Security to secure services in a multi-service architecture proposing different techniques to abstract away various authentication types from service code implementing core business logic.

Assoc. Software Developer, Directi Web Technologies Pvt. Ltd., Bangalore

July 2016 - May 2017

- Revamped local dev environment setup for the Java web application development and wrote a suite of tools to help better efficiency of on-boarding and routine engineering tasks.
- Implemented the system to handle Inter Registrant Transfer Protocol compliance requirement imposed by ICANN in collaboration with multiple brands in the org while catering to staging release helping API resellers prepare for the change all within the planned deadlines.

### The Game Changer

Intern, Bangalore

July 2015 - April 2016

Designed and developed the backend for a booking platform with payment processing and invoice generation in Laravel (PHP) along with a website as a single page app in AngularJS and an Android app.

### Student Microsoft Development Program

Mentor, MSRIT, Bangalore

June 2015 - July 2015

Curated content and conducted an Android app development workshop and mentored students through a one month period.

### Microsoft Build the Shield

Finalists, Hyderabad

March 2015

Qualified for the final rounds of Microsoft BTS 2015 after a nation wide qualifier representing the college.

### Student Nokia Development Program

Intern (Project Lead), MSRIT, Bangalore

June 2014 - July 2014

Developed a music player app that fetches the mood of different songs and generated playlists given certain parameters or a song example, guiding and guided, as a team of 4.

## EDUCATION

Bachelor of Engineering in Information Science and Engineering

2012 - 2016

MS Ramaiah Institute of Technology, Bangalore, Karnataka

CGPA: 9.2/10

Higher Secondary School (Computer Science Major)

2010 - 2012

Delhi Public School, Bangalore North, Karnataka

Percentage: 89.4