

SKILLS

Languages	TypeScript, JavaScript, C++, Python, Java, MATLAB
Web technologies	NodeJS, ExpressJS, Django, ElectronJS, ReactJS, AngularJS, React Native, jQuery
Database	MongoDB, MySQL, PostgreSQL, Cosmos DB, Redis
Cloud	Azure (App Services, Azure DevOps, VM, Active Directories) AWS (EB, EC2, S3)
Others	GIT, JIRA

EXPERIENCE

Robert Bosch Engineering and Business Solutions - Coimbatore, India

Dec 2018 – Present

Senior Software Engineer

- Developed Adobe XD and Sketch App plugins that export Artboards to HTML files.
- Took complete ownership of a microservice that converts designs from Adobe XD and Sketch to HTML data. Setup CI/CD in Azure VM using Azure DevOps.
- Implemented several key frontend features in a web app that streamlines UI screen content and flow configuration to code generation for several platforms including Android, Qt and Web.
- Developed an ElectronJS application that performs simulation of Human Machine Interface (HMI) of high-end home appliances, to improve the usability testing experiences.
- Technologies: **TypeScript, JavaScript, NodeJS, ExpressJS, MongoDB, ReactJS, Mocha**

Euphony Inc., - Syracuse, NY, USA

April 2016 – May 2018

Software Developer (DSP)

- Spearheaded the development and maintenance of VoiceFactory, a GUI application that streamlines synthetic voice building process from raw voice data sanitation to developing voice models using DSP and ML techniques.
- Improved runtime performance of DSP algorithm implementations in VoiceFactory by replacing legacy code implementations with a multithreaded design.
- Created a speech DSP tool using MATLAB System Objects™ with MEX and improved the runtime performance using MATLAB Profiler.
- Built an automation tool for transcribing speech data to build voice models using machine learning techniques.
- Built a GUI desktop analyzer tool using Java, in conjunction with Praat to generate DSP feature extraction results on large sets of speech data.
- Technologies: **C/C++, Python, Java (Swing), MATLAB**

The MathWorks Inc., - Natick, MA, USA

May 2015 – August 2015

DSP System Toolbox Development Intern

- Created System Objects™ and Simulink blocks for audio effects and audio plugin generation feature for Audio System Toolbox™. (**C/C++, MATLAB, Simulink**)
- Worked closely with User Experience Team and performed usability testing for Audio System Toolbox™.

PROJECTS

CryptoNotifier: technical analysis (MACD) on tickers and notifies the registered users by sending an email with information about the bullish/bearish trends. (**Java, Python and MySQL**)

EDUCATION

Syracuse University, Syracuse, NY, USA

Jan 2014 – Dec 2015

Master of Science – Electrical Engineering

Anna University, Chennai, India

Sep 2009 – May 2013

Bachelor of Engineering – Electrical and Electronics Engineering