Abhijith C S

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EDUCATION

- **Indian Institute of Technology, Madras** — Chennai
  B-Tech in Computer Science and Engg. CGPA: 7.2 — *July 2011 – May 2015*

- **HMY Higher Secondary School, Manjeri** — Kerala
  Class XII. Score: 95.2% — *June 2008 – Mar. 2010*

EXPERIENCE

- **Accelerate** — Chennai
  Full Stack Developer — *Feb 2018 - Present*
  - **Online Orders**: Designed the architecture of starter application for the restaurants to take online orders
  - **Cloud POS**: Developed the core backend for cloud based POS and ERP software in NodeJS and PHP, and introduced the microservices architecture. Integrated multiple payment gateways and third party tools.
  - **Development**: Developed desktop and mobile applications and dashboards using AngularJS, Ionic and Electron. Created tools for fraud order detection, sales analytics and customer history based recommendation.
  - **Open Source Contribution**: Built a tool for reverse syncing of multiple copies of databases in Apache CouchDB
  - **Mentoring**: Responsible for giving technical guidance and code review to the junior team members

- **EdgeVerve Systems** — Bangalore
  Member of Technical Staff — *Jul 2015 - Jan 2018*
  - **Tech Incubation Team**: Involved in building prototypes and POCs for new business ideas. My work on *'Deploying Blockchain for Banking Transactions'* was later rolled out to production on **Finacle**
  - **Banking Application**: Full stack development of mobile banking app. for Finacle with RESTful APIs in NodeJS
  - **Research on Blockchain**: Extended the scope of blockchain to develop a platform for validating the proof of ownership of luxury goods using **Tendermint** blockchain. Developed and deployed multiple **Smart Contracts**
  - **Legacy Code Rewrite**: Improved the 16 years old legacy code by rewriting it to Spring framework with Stored Procedures. Redesigned the Java based application to Polymer and Loopback, with UI/UX modernization.
  - **Modularization**: Restructured the entire code base forming logical partitions to improve manageability of complex code, with regards to implementation and maintenance

- **Google (Apigee)** — Bangalore
  Summer Internship — *Summer 2014*
  - **Research Work**: Created a tool for automated generation of Android SDK functions from a given WADL description of a REST API (API Model) using the **Apigee Edge** platform and the open-source tool Apache CXF.
  - **Analytics Dashboard**: Developed a web dashboard in AngularJS, to display the performance and stats of APIs

- **Distributed and Object Systems Lab, IIT Madras**
  Research Project under the guidance of **Prof. D. Janakiram** — *Aug 2014 - May 2015*
  - **Thesis**: Implemented optimal algorithm for core scheduling in **BOSS MOOL** - Minimalistic Object Oriented Linux (MOOL), aims at redesigning the existing linux kernel with minimal set of core OO components.

PROJECTS

- **Video Forgery Detection**: To report if a video contains evidence of tampering, using the correlation of noise residue
- **ATM Activity Tracker**: A Kinect application written in Java to detect and report the suspicious activities inside an ATM counter. The project was recognized at the Microsoft's hackathon 'Code-Fun-Do'.
- **Insti Shop**: Developed the initial version of the eCommerce website in PHP, for an online souvenir shop at IIT Madras
- **CMC Air**: Mobile App of Calicut Medical College to enhance the communication with in the campus community
- **Spell Checker (Chrome Extension)**: Context sensitive spell checker tool built using the NLP concepts like edit distance, part of speech tagging and collocations.

PROGRAMMING SKILLS

- **Languages**: : C, C++, PHP, Java, JavaScript, NodeJS, AngularJS, SQL, HTML, CSS
- **Technologies**: : Spring, Blockchain, Electron, LoopBack, Polymer, Ionic, MySQL, CouchDB, MongoDB, GCP