ABHIJITH C S

🌐 abhijithcs.in   💼 csabhijith   🔗 abhijithcs

✉ writetoabhijith@gmail.com
📞 +91-9043-960-876

EDUCATION

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

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

EXPERIENCE

- **PharmEasy**   Bangalore
  Senior Software Engineer   *Sep 2019 - Present*
  - **Re-architecture**: Re-archetecturing the B2B order management system from monolith application to microservices, for scalability and independency. Optimised the performance of the existing APIs in NodeJS.
  - **Core Implementations**: Features like notifications module, task manager and order synchroniser.

- **Accelerate** (Startup)   Chennai
  Lead Developer   *Feb 2018 - Aug 2019*
  - **Online Orders**: Architected the online ordering system and starter application for the restaurants
  - **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

- **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.

- **Apigee (Google)**   Bangalore
  Software Engineer Intern   *Summer 2014*
  - **Research Work**: Created a tool for the 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**: : NodeJS, PHP, Java, Spring, JavaScript, AngularJS, SQL, HTML, CSS, C, C++
- **Technologies**: : Blockchain, Electron, LoopBack, Ionic, MySQL, CouchDB, MongoDB, AWS, ElasticSearch, K8s