
EDUCATION

Tamil Nadu, India

Vellore Institute of Technology

May '16

- B.Tech in Computer Science and Engineering. 8.80/10 CGPA

EMPLOYMENT

Software Engineer – 2

PayPal IDC

July '17 – Present

Software Engineer – 1

July '16 – June '17

- Part of the ATTACK team. It is a proprietary CRM tool with a Java based front-end client used by PayPal customer service agents, a C++ based server, and a Relational Database of 150+ tables.
- Currently working on making it highly scalable with improved disaster recovery. This involves the analysis and re-architecture of tables in ATTACK's database, which stores ~100 TBs of customer facing critical data along with the optimization of server-side APIs to deal with the growing dataset and traffic volume whilst improving availability and performance.
- Implemented a "Document Management & Archival System" to manage the 800k+ documents received/day including a seamless set up and transition to an efficient data archival strategy without any impact/changes to the clients.
- Java Swing, SWT, AWT, SQL, C++, RDBMS, AMQs/YAM (PayPal Proprietary Messaging frameworks), Optimistic Concurrency Control (OCC).

Software Development Intern

PayPal IDC

Jan. '16 – Jun. '16

- Part of the development team of a REST API – CSCaseReadServ – used to fetch Customer related disputes or "cases" data from the database based on multiple filters and parameters.
- REST, JAX-RS, JSON, Java, SQL, Multi-threading, Relational Databases, Optimistic Concurrency Control (OCC), agile methodologies, and SDLC.

Software Development Intern

Girnar Soft

May '15 – July '15

- Worked on projects to understand the working of web development SDLCs and industry standards at the firm.

TECHNICAL EXPERIENCE

C++, Java Swing, AWT, SWT, Relational Databases, SQL, Agile methodologies, SDLC, REST, HTML, Pug JS, Express JS, Mongo, PHP, JavaScript, Ajax, CSS, Messaging Frameworks, Java, JAX-RS, C, C#.

PROJECTS

- Gym, Vendor and Visitor Management Systems** – GMS is used to track the usage of the gym lockers while the VMS serves to streamline the entry and exit procedures to register, track, and store the details of visitors and operations staff at the PayPal India centers.
Skills: Two independent web applications both built on Pug JS, HTML, CSS, JavaScript, Ajax, NodeJS, Express JS, Mongo DB.
- Magic Mirror** – A smart mirror built for the PayPal innovation lab that functions as a virtual assistant invoked via voice commands to fulfil requests like internet searches, viewing calendar items, news, or weather, playing music or videos, and displaying PayPal specific content etc.
Skills: HTML, CSS, Node JS, Electron Framework, AWS, Alexa Skills, Raspberry Pi.
- Automobile Accident Monitoring System** – This is an Intel Arduino based hardware device which is hooked into the vehicle's ECU to send the GPS coordinates of the vehicle to pre-registered emergency contact numbers in the event of an accident.
Skills: Intel Arduino, C#, Hardware Interfacing, Extraction of data from a GPS stream.
- PaperForest** – A fully functional and responsive full stack website allowed users to register and browse the selection of thousands of books on an aesthetically designed website that was at par with modern design standards.
Skills: HTML, DOM, CSS, JavaScript, PHP, SQL, RDBMS, UML, jQuery.

PUBLICATIONS

- D. Khandelwal, R. Manoov, "Airbag ECU coupled vehicle accident SMS Alert System" *2017 International Conference on Inventive Computing and Informatics (ICICI)*, Coimbatore, 2017, pp. 82-87. [<https://ieeexplore.ieee.org/document/8365258/>]

AWARDS AND ADDITIONAL EXPERIENCE

- PayPal "Star of the Month" Feb. '18: Awarded by the PayPal India General Manager for key contributions to center wide initiatives.
- 'Innovation Excellence' award, PayPal Annual Day Dec. '17: For outstanding contribution towards fostering innovation amongst employees.
- 4 PayPal internal 'Bravo' awards [Sept. '18, April '18, Feb '18, Aug. '17]: For contributions to various key projects, features, and initiatives.
- Winner 'Most Inclusive Solution' - PayPal India Business Challenge Sept. '16: Idea and prototype built to allow merchants and customers to register on PayPal using a chatbot on WhatsApp as a platform.
- Member, PayPal CAN (July '17 – Present): This team, led by the PayPal India General Manager, has members selected with an aim to identify and target areas of improvements at PayPal's India tech offices.
- Member, Innovation Track, PayPal (July '17 – Present): Part of team with a concentrated focus towards fostering a culture of innovation at the company. PayPal recognized as the top workplace to demonstrate a culture of innovation in India by the Great Places To Work Institute.
- Coordinator and member, College festival organizing teams. [Various Fests, Aug '13 – Feb '15]
- Member, Youth Red Cross, VIT University. [July '14 – May '15]