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DHEERAJ KHANDELWAL

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EDUCATION

Berkeley, CA, USA	**University of California, Berkeley**	**May '21**

- Master's in Information Management and Systems.

Tamil Nadu, India	**Vellore Institute of Technology**	**May '16**

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

EMPLOYMENT

Software Engineer	**Quora Inc.**	**Jun. '21 – Present**

- Working on the Core Product - Moderation Team: developing full stack features on the core product to moderate policy-violating users and user actions. Collaborate with Legal, Product, Operations, and ML teams to implement solutions that maintain the health of the content
- Acting as the team POC for bugs and technical issues leading the team's efforts towards code quality, bug prioritization, and SLA adherence
- Involved in the planning, scoping, prioritization, and technical design of user facing features to ensure consistent and performant UX at scale
- **Python, Javascript, React, SQL, RDBMS, AWS, Async tasks and queues, Cron jobs**

Software Engineer – 2	**PayPal IDC**	**July '17 – August '19**
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 customer service agents, a C++ based server, and a Relational Database of 150+ tables.
- Worked on improving scalability and disaster recovery. This involved the analysis and re-architecture of tables in the database, with ~100 TBs of customer facing sensitive data along with the optimization of server-side APIs to improve 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**

TECHNICAL EXPERIENCE

Python, Javascript, React, Relational Databases, SQL, REST, HTML, Express JS, Mongo, PhP, JavaScript, Ajax, CSS, Messaging Frameworks, Java.

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

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', PayPal Annual Day Dec. '17:** For outstanding contribution towards fostering innovation amongst employees.
- **4 PayPal internal 'Bravo' awards [9/18, 4/18, 2/18, 8/17]:** 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 – July '19):** 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 – April '19):** 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.