Gaurav **Dhiman**

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Skills

Management:	Excellent communication, Hire & build tech teams, Mentor & motivate team members, Design & architect systems, Agile practitioner, Support product & feature planning
Web Technologies:	ReactJS, Redux, RESTful APIs, GraphQL, NodeJS, ExpressJS, SailsJS, FeathersJS, NextJS, Progressive Web Apps (PWA), Web Sockets, MongoDB, OrientDB, Serverless computing
Big Data:	Python, HIVE, PySpark, Kafka, SQL / NoSQL DBs, HBase
Testing:	MochaJS, ChaiJS, SinonJS, Cypress, PyTest, Behave (Python)
Tools:	GIT, NPM, PIP, Jupyter Notebook, Docker, Kubernetes
Tech Domains:	Domain Driven Design, Microservices, Service mesh, Cloud (familiarity with AWS)
AI / ML:	Understanding of Deep Neural Networks, CNNs, RNNs, Reinforcement Learning

Work Experience

Cognizant Technology Solutions (client: American Express) - www.cognizant.com
Phoenix, AZ

SENIOR ENGINEERING MANAGER / SENIOR ARCHITECT — *July 2015 – Present*

- Leading web and big-data app teams in the Email Marketing Portfolio of American Express.
- Frontend applications are built using technologies like NodeJS, NextJS, ReactJS, Redux. Backend application (ETL) is built using HIVE, PySpark and HBase technologies. Backend ETL app is responsible for processing around hundred million customer records per month for delivery of marketing emails.
- Working with the product management teams to refine, align and implement the product roadmaps for these applications.
- Prepare the mid and long term architectural vision and align other teams in the email marketing ecosystem to achieve it.
- Motivate, mentor and drive the teams to achieve their respective delivery goals.
- Continuously review the development processes to ensure best practices are followed across teams for development, code reviews, testing and release cycles.
- Contribute to code development, pull requests (PR) reviews and unit as well as end-to-end cucumber tests, as bandwidth allows.
- Earlier contributed to development of American Express NodeJS framework, similar to frameworks like KarakenJS, HapiJS & SailsJS etc. in functionality. It is based on ExpressJS and other open-source technologies.

S3 TechZulla Pvt. Ltd.
Chandigarh, India

CO-FOUNDER & CTO — *Oct 2012 – June 2014*

- Started an entrepreneurial venture to build SaaS based e-commerce and travel solutions for small and medium enterprises (SMEs).
- Built the team from scratch and led it to develop & market three online software products - RetailEMall, DesignStudio and TravelCRM.
- RetailEMall was a cloud based SaaS solution for brick and mortar shops to set up online stores in a few clicks. Reference link: https://web.archive.org/web/20150302160817/http:/retailemall.com/store/
- DesignStudio was a web solution to build online stores for selling apparel with customized designs. Reference link: https://web.archive.org/web/20150827053731/http:/www.techzulla.com/design-studio/
- TravelCRM was a web solution originally developed for Travelopod.com. Later customized for few other online travel agencies (OTAs). Reference link: https://web.archive.org/web/20160320174214/http:/www.techzulla.com/travelcrm/
- Link: https://yourstory.com/2013/06/if-ecommerce-is-the-space-you-are-interested-in-techzulla-can-help-you-set-up-shop

Infosys Ltd. - https://www.infosys.com
Chandigarh, India

ARCHITECT — *Aug 2011 – Aug 2012*

- Worked as a Technical Architect for Capital Groups Companies (CGC) in the Cloud division of Infosys. Grew the team from 2 engineers to 15 engineers for an initiative to migrate on-prem applications to cloud.

NEC HCL System Technologies Ltd. (Now NEC India) - https://in.nec.com
Noida, India

MANAGER - TECHNICAL PRESALES — *Sept 2008 – July 2011*

- Started product presales unit for NEC Technologies from scratch. Grew a team from one solution engineer to 24 members.
- Proposing Business Continuity & IT Infra solutions to customers / global partners based on NEC IT Infrastructure software products like NEC' ExpressCluster and Virtual PC Center (VPCC) and Spherical along with virtualization software like VMware, Hyper-V, KVM etc. Used to closely work with software sales groups in NEC subsidiaries across the world.
- Presenting solutions, demos and POCs to executive stakeholders in customer organizations across the world.
- Building partnerships and enabling them (resellers, system integrators) by delivering training about product features, specifications and deployments.
- Participate and present in industry events and conferences on behalf of NEC.
- Providing market / customer feedback (feature improvements, new feature requests) to the product team in NEC Japan and ensuring high priority items get included in product roadmap.
- Reference Link 1: https://www.nec.com/en/global/prod/expresscluster/index.html

NEC HCL System Technologies Ltd. (now NEC India) - https://in.nec.com   *Noida, India*
TECHNOLOGY LEAD   *Oct 2006 – Mar 2008*
- Worked along with NEC's core Linux kernel team in Japan to port OpenSolaris kernel on ARM platform for Toyota's infotainment system. Led a small team of three kernel engineers and one Japanese interpreter onsite (at Japan).

Cadence Design Systems - https://www.cadence.com   *Noida, India*
MEMBER TECHNICAL STAFF   *Oct 2004 – Oct 2006*
- Worked as an engineer in the product development team for Cadence's RTL compiler.

Computer Associates (now part of Broadcom) - https://www.broadcom.com   *Hyderabad, India*
SOFTWARE ENGINEER   *May 2004 – Oct 2004*
- Worked as engineer for development of IAM (Identity and Access Management) suite of products.

HCL Technologies Ltd. - https://www.hcltech.com   *Gurgaon, India*
SOFTWARE ENGINEER   *Sept 2002 – Apr 2004*
- Worked as an engineer on NCR Corporation's project for ATM management software (Gasper).

Personal Projects

Discussion.im   *MaterialUI (ReactJS), Redux, Redux-Saga, Redux-ORM, FeathersJS, NextJS, MongoDB, Dockers*

PROGRESSIVE WEB APP (PWA) THAT MAKES THE ONLINE FORUMS MUCH FUN TO USE. CODEBASE: HTTPS://BITBUCKET.ORG/GAURAV-DHIMAN/DISCUSSION_IM/SRC/MASTER/   *http://discussion.im*

ReactNative app to show nearby retail offers on phone   *ReactNative, MeteorJS, MongoDB*
A MOBILE APP TO PUSH NEARBY OFFERS TO USERS, BASED ON THE USER'S INTEREST AND LOCATION. USERS CAN SET UP THE KIND OF OFFERS THEY ARE INTERESTED IN AN APP AND THEN THE APP SENDS PUSH NOTIFICATIONS WHENEVER THE OFFER OF GIVEN INTEREST IS PUBLISHED IN A SPECIFIC RANGE OF USER'S LOCATION (GEO-FENCING). APP IS BUILT USING REACT NATIVE AND METEORJS.   *https://bitbucket.org/gaurav-dhiman/push-notify-react-native-app/src/master/*

ORM adaptor for SailsJS and OrientDB
ORM ADAPTOR / LIBRARY WRITTEN TO CONNECT SAILSJS (NODEJS FRAMEWORK) WITH ORIENTDB (GRAPH BASED DB). MADE IT OPEN-SOURCE ON NPM TOO.   *https://github.com/gauravdhiman/sails-orientdb-binary*

Awards & Honors

| Oct 2010 | **Technical Manager of the Year**, Got awarded with "Technical Manager of the Year" award for 2009-2010 from CEO of the company (NEC Technologies India Ltd) for starting a new BU (technical enterprise pre-sales) from scratch and developing it to 24 member team. | *CEO, NEC Technologies India Ltd* |
| July 2006 | **Recognition Award**, Got Instant Recognition Award from Engineering Group Director of Cadence US Team for implementing the improved and simplified Verilog Reader / Writer in Cadence's RTL Compiler Product. | *Engineering Group Director, Cadence Design Systems, US* |

Education

Panjab University   *Chandigarh, India*
MASTERS OF COMPUTER APPLICATIONS IN COMPUTER SCIENCE   *1999 – 2002*

Kurukshetra University   *Kurukshetra, Haryana*
BECHALOR OF COMMERCE IN COMMERCE   *1995 – 1998*