RESUME

Name : **Gaurav Dhiman**

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LinkedIn: https://www.linkedin.com/in/gauravdhiman/
GitHub: https://github.com/gauravdhiman?tab=repositories
Kaggle (ML): https://www.kaggle.com/gauravdhiman05/kernels

- Hand-on technology leader with more than 18 years of software industry experience.
- 10+ years of experience in building, growing, managing engineering teams.
- 8+ years of experience in web, mobile, big-data and machine learning space.
- Have entrepreneurial experience with bootstrapping technology startup.
- Authorized to work in the US for any company. Have valid EAD.

KEY SKILLS:

Type	Specialization
Web Technologies	ReactJS, NodeJS, FeathersJS, NextJS, Redux, REST Web-services, MochaJS, ChaiHS, SinonJS, MongoDB
Big-Data	Python, HIVE, PySpark, SQL / NoSQL DBs
Machine Learning	Theoretical know-how and some experience with Deep Neural Network, Scikit-learn, Tensorflow, Keras
Tech Tools	Git, Jenkins, JIRA
Management	Excellent written and oral communication, Mentoring, Managing geo-distributed teams, Designing and Architecting Tech Solutions, Agile aware, Product roadmap planning, Hiring engineers and team building.

EDUCATION:

Title of the Degree	Specialization	College/University	Year of Passing
Master of Computer Applications	Computer Science & Applications	Department of Computer Science and Applications, Panjab University, Chandigarh, India	2002
Bachelor of Commerce	Business & Commerce	Kurukshetra University, Haryana, India	1998

PERSONAL PROJECTS:

Link	Description	Codebase
https://discussion.im	Progressive Web App that makes the online forums much fun to use.This app is built from scratch using MaterialUI (ReactJS), Redux, FeathersJS (Web-services) and NextJS (SSR).	https://bitbucket.org/gaurav-dhiman/discussion_im/src/master/
Not released / hosted	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/

-NA-	Sample project to demonstrate how to integrate AugularJS with SailsJS and OrientDB to build web app from scratch.	https://github.com/gauravdhiman/sailsjs-angularjs-orientdb-poc
-NA-	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 and https://www.npmjs.com/package/sails-orientdb-binary
http://lkdp.blogspot.com/	My blog about Linux Kernel Internals that I used to maintain long back when I was working in Linux Kernel space.	-NA-

PROFESSIONAL WORK EXPERIENCE:

American Express (https://www.americanexpress.com)   **Apr 2015 to Present**
Principal Architect

I am currently working as Principal Architect (contractor) with American Express.
- Leading five application teams related to delivery and offer fulfillment systems in the Email Marketing Portfolio of American Express.
- Out of five, four are frontend applications built using technologies like NodeJS, NextJS, ReactJS, Redux. One is a backend application (ETL) built using Java, HIVE, PySpark and HBase technologies. Backend ETL application is responsible for processing around one billion 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.

American Express (https://www.americanexpress.com)   **June 2014 to Mar 2015**
Principal Architect

Worked as Principal Architect (contractor) with American Express.
- Contributed to feature design and development for the core web engineering NodeJS based framework, that was later rolled out at enterprise level to migrate traditional Java apps and web services to NodeJS technology. In terms of functionality this framework was very similar to open-source NodeJS frameworks like KarakenJS, SailsJS, HapiJS etc.
- Led Indian team of engineers, contributing to the web framework.

S3 TechZulla Pvt. Ltd, Chandigarh, India   **Oct 2012 to June 2014**
Co-founder, CTO

Started an entrepreneurial venture to build SaaS based e-commerce and travel solutions for small and medium enterprises (SMEs). Built a team from scratch and led it to develop three online software products - RetailEMall.com, DesignStudio and TravelCRM. RetailEMall was a cloud based SaaS solution for brick and mortar shops to set up online stores in a few clicks. DesignStudio was a web solution to build online stores for selling apparel with customized designs. TravelCRM was a web solution originally developed for Travelopod.com and was later customized to sell to few other online travel agencies (OTAs). Startup is not operational anymore.

Reference link:
https://yourstory.com/2013/06/if-ecommerce-is-the-space-you-are-interested-in-techzulla-can-help-you-set-up-shop

Infosys Limited, Chandigarh, India (https://www.infosys.com)   **August 2011 to August 2012**
Architect

Worked as a Technical Architect for Capital Groups Companies (CGC) in the Cloud division of Infosys. I led design and architectural initiatives to move legacy applications from on-prem to hybrid cloud environment. Interviewed, hired and built the team from 2 engineers to 15 engineers for this initiative at India office.

NEC HCL System Technologies (https://in.nec.com)   **Sept 2008 to July 2011**
Manager - Technical Presales

Led a team of 16 presales solution engineers to support NEC's enterprise software sales team in India, Asia Pacific, Europe and US. My key responsibilities were:
- Growing and managing a team of solution engineers in South East Asia for NEC's Enterprise Software Group (ESG).
- 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 product team in NEC Japan and ensuring high priority items get included in product roadmap.

Reference Link: https://www.nec.com/en/global/prod/expresscluster/index.html

NEC HCL System Technologies (https://in.nec.com)   **Oct 2006 to Mar 2008**
Technology Lead

Worked along with NEC's core Linux kernel team in Japan to port OpenSolaris kernel on ARM platform for the infosystem that was planned to be installed in Toyota cars. Led a small team of three kernel engineers and one Japanese interpreter.

Cadence Design Systems (https://www.cadence.com)   **Oct 2004 to Oct 2006**
Member Technical Staff

Worked as an engineer in product development team for Cadence's **RTL compiler**.
Reference link:
https://www.cadence.com/en_US/home/company/newsroom/press-releases/pr/2004/cadencedelivers encounterrtlcompilerultrawithsupportforvhdl.html

Computer Associates (https://www.ca.com)   **May 2004 to Oct 2004**
Software Engineer

Worked as engineer for development of IAM (Identity and Access Management) suite of products.

HCL Technologies (https://www.hcltech.com)   **Sept 2002 to Apr 2004**
Software Engineer

Worked as an engineer on NCR Corporation's project for ATM management software (Gasper).

Reference link:
https://www.atmmarketplace.com/news/ncrs-gasper-exchange-enhances-atm-management/