Gaurav **Dhiman**

✉ gauravd.chd@gmail.com | ☐ +1-480-494-6684 | ⚲ Phoenix, AZ, US | ⌗ https://gauravdhiman.github.io

Skills

Management:	Excellent communication, Hire, build & mentor tech teams, Design & architect systems, Agile practitioner.
Technologies:	Python, Applied AI (LLMs, Agentic Frameworks), Autogen, CrewAI, LangChain, LangGraph, PySpark, Pandas, HIVE, SQL, Kafka, RDBMS (Postgres, MySQL), NoSQL (MongoDB, DynamoDB), NodeJS, NextJS, ReactJS, Redux, RESTful APIs, GraphQL, PHP (Hack), OOPs, C/C++, Linux CLI. AWS (EC2, S3, Lambda,
Testing:	MochaJS, ChaiJS, SinonJS, Cypress, PyTest, Behave (Cucumber).
Tools:	GIT, NPM, PIP, Jupyter Notebook, Docker, Kubernetes, AWS (EC2, Lambda, EventBridge, S3, RDS).
Tech Domains:	Domain Driven Design, Event Driven Microservices, Big Data Analytics, Cloud (experience with AWS services).
AI / ML:	Familiarity with Deep Neural Networks, Building products with AI models on HuggingFace, Replicate etc.

Work Experience: Technology Leader with 22+ years experience

Meta (Facebook) - www.meta.com
Phoenix, AZ, US
STAFF SOFTWARE ENGINEER — *Aug 2022 – Present*
- Lead design and develop full-stack software products for Meta's Ads Monetization group. Worked on both backend + frontend.
- Led development of Sales AI, a Llama (LLM) based RAG chat app to self-serve Meta's sales workforce.
- Closely work with Cross-Functional (XFN) teams & technically lead business requirement discussions. Provide relevant suggestions.
- Design large scale, highly-available, low-latency & fault-tolerant distributed systems. Create system design documentations.
- Help team break down business requirements into actionable tasks and organize them.
- Write code and perform code reviews to ensure high code quality. Mentor & unblock engineers when required.

PennyMac Loan Services - www.pennymacusa.com
Phoenix, AZ, USA
SENIOR TECHNOLOGY ARCHITECT (VP) — *Jan 2021 – July 2022*
- Leading Data Engineering & Reporting team for loan processing system. Directing team towards adoption of big-data processing.
- Hiring, mentoring and building teams of software engineers, software architects & managers to fulfill the resource needs.

Cognizant Technology Solutions (client: American Express) - www.cognizant.com
Phoenix, AZ, USA
SENIOR TECHNOLOGY ARCHITECT / SENIOR ENGINEERING MANAGER — *July 2014 – Jan 2021*
- Technically leading web and big-data app teams in the Email Marketing / Messaging Portfolio of American Express.
- Customer facing web apps are built using NodeJS, NextJS, ReactJS, Redux & MongoDB. Big data processing ETL pipeline is built using HIVE, Python, Spark, Kafka & HBase tech stack. The pipeline processes 100+ million customer records per month for delivery of marketing emails through integration with Salesforce Marketing Cloud (SFMC).
- Contribute to code development, pull requests (PR) reviews and unit as well as end-to-end cucumber tests.
- Working with the cross-functional teams to refine, align and implement the product roadmaps for these applications.
- Participate in hiring process to build right team of engineers and senior engineers for Cognizant.

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 businesses (SMBs).
- 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. - www.infosys.com
Chandigarh, India
TECHNOLOGY 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 8 engineers for an initiative to migrate on-prem applications to cloud.

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

Manager - Technical Presales   *Sept 2008 – July 2011*
- Started product presales unit for NEC India 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). 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. Presenting at industry events.
- Providing market feedback to product teams at NEC Japan.

NEC HCL System Technologies Ltd. (now NEC Corporation 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). Technologies used: C language, Assembly language.

Cadence Design Systems - www.cadence.com   *Noida, India*

Member Technical Staff   *Oct 2004 – Oct 2006*
- Worked as a software engineer in the product development team for Cadence's RTL compiler (logic synthesis). Technologies used: C/C++, Linux environment for development. More about logic synthesis: https://en.wikipedia.org/wiki/Logic_synthesis

Computer Associates Inc (now part of Broadcom) - 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. Technologies used: C/C++, Linux environment for development.

HCL Technologies Ltd. - 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). Technologies used: VBA, VB Script.

Education

Panjab University   *Chandigarh, India*

Masters of Computer Applications in Computer Science   *1999 – 2002*

Personal Projects

Real time online discussion forums

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/

https://discussion-im.herokuapp.com/

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.

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**, Received this award from NEC India CEO for building and growing presales team from scratch. | *CEO, NEC Technologies India Ltd.* |
| July 2006 | **Instant Recognition Award**, Received this award from Engineering Group Director at Cadence for implementing the simplified Verilog Reader / Writer in Cadence's RTL Compiler Product. | *Engineering Group Director, Cadence Design Systems, US* |