

# Nalin Chhibber

SOFTWARE ENGINEER · Researcher

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*“Be the change that you want to see in the world.”*

## Education

### GGs Indraprastha University

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

New Delhi, India

Aug. 2010 - Jul. 2014

## Work Experience

### Compro Technologies

SOFTWARE ENGINEER

New Delhi, India

Oct. 2014 - Aug. 2017

- Implemented RESTful API server for car rental booking application(CARPLAT in Google Play).
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and several AWS stack(Including EC2, ECS, Route 53, S3, CloudFront, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Developed an easy-to-use Payment module which connects to major PG(Payment Gateway) companies in Korea.

### GS-SIS, CERN

SUMMER STUDENT INTERN

Geneva, Switzerland

June. 2014 - Aug. 2014

- Lead engineer on agent-less backtracking system that can discover client device's fingerprint(including public and private IP) independently of the Proxy, VPN and NAT.
- Implemented a distributed web stress test tool with high anonymity.
- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.

### CSIR-4PI

RESEARCH SCHOLAR, SPARK

Bangalore, India

Aug. 2013 - Jan. 2014

- Developed in Cocos2d-x an action puzzle game(Dragon Buster) targeting U.S. market.
- Implemented API server which is communicating with game client and In-App Store, along with two other team members who wrote the game logic and designed game graphics.
- Won the 2nd prize in final evaluation.

## Publications

### ACM CSCW

“CROWD GUILDS: WORKER-LED REPUTATION AND FEEDBACK ON CROWDSOURCING PLATFORMS”

Oregon, USA

Mar. 2017

### ACM UIST

“BOOMERANG: ALIGNING WORKER AND REQUESTER INCENTIVES ON CROWDSOURCING PLATFORMS”

Tokyo Japan

Oct. 2016

### IEEE ISTMET

“SYNCHRONIZATION OF CHAOS IN MULTIPLE THREE-DIMENSIONAL CHAOTIC MAPS”

Langkawi Malaysia

Aug. 2015

### CERN Document Server Internal Note

“ENRICHING THE METADATA ON CDS”

Geneva Switzerland

Aug. 2014

## Extracurricular Activity

### PoApper (Developers' Network of POSTECH)

CORE MEMBER & PRESIDENT AT 2013

Pohang, S.Korea

Jun. 2010 - PRESENT

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

## **PLUS (Laboratory for UNIX Security in POSTECH)**

*Pohang, S.Korea*

MEMBER

*Sep. 2010 - Oct. 2011*

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.