# NEERAJ JOSHI

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Work Experience

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| **Position** | **Organization** | **Work** | **Technology** | **Duration** |
| Technical Lead | HCL Technologies | Web/ Mobile Application Development | JavaScript, Node js, CSS, HTML | Since Jan 15 |
| Software Engineer | Boston Analytics | Web Application Development | Python, Django, Automation | Apr 14 to Jan 15 |
| Senior Software Engineer | 3Pillar | Application development | Python, Django | Jan 12 to Mar 14 |
| Software Engineer | Wizcrew Technogies | Web development | PHP, Yii framework, Wordpress | Apr 11 to Dec 11 |
| Software Engineer | Oxylabs Networks | Social Networking gaming applications | Python Google appengine. | Jan 10 to Mar 11 |

Technical Skills

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| Server Side Technologies | Python, PHP, NodeJS |
| UI Technologies | HTML, CSS, JS, JQuery |
| Automation Scripting | Python – Selenium, Phantom JS |
| Database | Google Appengine Datastore, MySQL, Postgres |
| Version Control | SVN, Mercurial, Git |
| Debugging | iPDB (Python), Firebug, Chrome Dev tools. |
| Frameworks | Django, YII Framework |
| Operating System | Windows, Mac-OSx, Linux |
| New Learnings(2018) | React fundamentals, React Native, Django Rest Framework, JWT |

Projects Executed

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| **Company/ Client** | HCL Technologies/ Gartner. |
| **Team** | Talent Assessment Team |
| **Team Size** | 60 |
| **Platform** | JavaScript, Windows, Agile, Scrum |
| **Technologies** | JavaScript, Node JS, JQuery, HTML, CSS, React, Bootstrap, Canvas, D3 |

**Key Responsibilities:** Designing, and doing core development in JavaScript, creating reusable widgets and interacting with existing and new RESTful web services to implement\enhance required functionality, enhancement, testing, bug fixing, and code refactoring to implement best practices. I was on client-side and mainly reporting directly to client with periodic reporting to reporting manager.

**Major Projects:**

**Project 1:** Talent Assessment Admin / Precise Fit Candidate Experience

Features: Quickly came up to speed with the existing client framework and also did enhancements to the JS framework the client was using. Created generic scripts to tackle frequently occurring issues and fast and isolated widgets which could integrate to create the client's application.

Making use of widgets created using JavaScript and Restful web-services, which could be just plugged in directly into the application. The application made good use of Responsive Web design to be used on both PCs and Mobiles.

**Project** **2**: Dynamic Media implementation with accessible Video player

Important concepts and implementation included creation of accessible components, making use of VTT files for closed-captions and audio transcripts.

**Project** **3:** CCSIMS: Contact Center Simulation Test.

Important concepts included caching of mp3 media beforehand to prevent playback lag. Creation of an engine which would play all scenarios from JSON files and creation of the scoring logic engine.

**Project** **4**: MOCOG: Mobile Cognitive Ability Assessment.

Learned new technologies and had hands-on experience working with HTML5 canvas and selectable shapes.

Interactive layouts using D3.js and canvas.js

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| **Company/ Client** | HCL Technologies/ Panasonic. |
| **Team** | Panasonic Line Controller Team |
| **Team Size** | 5 |
| **Platform** | JavaScript, Node JS and frameworks, Linux (CentOS) |
| **Technologies** | JavaScript, Node JS, JQuery, JQuery Widget Library, HTML, CSS |

**Key Responsibilities:** Getting Involved in the design phase with the client, organizing team structure and assigning responsibilities, task priorities, implementing required functionality, enhancement, testing, bug fixing, and code refactoring to implement best practices. Reporting to RM, On-site coordinator and client.

**Major Projects:**

**Project 1:** Panasonic Barcode parser

**Features:** Come up with a generic design which could be helpful in creating fast and mutually decoupled modules which could be part of the Client's application. Making use of jquery widget library to create individul widgets which could be just just plugged in directly with onlly minor configuration changes. The application had both Desktop and Mobile versions.

**Project 2:** Material verification reporting

**Features:** Created a generic reporting framework which would render different reports into a interactive tabular form. This module made use of built in Jquery Widgets with an additional layer of configuration to customize them and make them pluggable without carrying out much changes.

**Role:** Understanding client needs, Involvement in Design phase, Development Strategy, Implementation, Refactoring and Bug Fixing.

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| --- | --- |
| **Company/ Client** | Boston Analytics. |
| **Team** | IB web app team |
| **Team Size** | 5 |
| **Platform** | Python Technologies, Linux, Mac OSx |
| **Technologies** | Python, Django, JavaScript, JQuery, HTML, CSS, Git, Selenium, X-path |

**Key Responsibilities:** Getting Business requirements from business team, organizing team structure and assigning responsibilities, task priorities, implementing required functionality, enhancement, testing, bug fixing, version control, Reporting to Reporting Manager and CTO.

**Major Projects:**

**Project 1:** Investment Banking Tools (NVIEW)

**Features:** Development of a framework to automate the process of getting data from various financial sources and using it as high value solutions for investment banks and asset management firms. Today, a vast majority of strategy and investment analyses is being done manually and consequently based on limited data sets leading to slow and sub optimal business decisions. We developed a real-time data monitoring tool, as well as giving the financial analysts value additions such as exporting whole interface to required PowerPoint presentations by click of a button.

**Project 2:**  IGEDs

**Features:** An Idea Generation and Deal Sourcing application, which provides an insight into Industry sector trends, competitive intelligence, partnerships and M&A targets.

The core of the application lied in the crawling engine which would take an Input keyword from user and fetch its related taxonomy terms from various sources from Internet. It would then give a search enhancement to various levels of depth and allow the analyst to create his own **“Analyst Confirmed Stack”** of the most significant terms around the searched term in a Hierarchical Manner. Second part would then fetch all related companies to those stack terms and create and M&A visualization graph for them.

**Role:** Research, Understanding business needs, Development, Designing, Implementation

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| **Company/ Client** | 3 Pillar Global Pvt Ltd. |
| **Team** | NetEnforcers, CLW |
| **Team Size** | 2**,** 13 |
| **Platform** | Open-source, Python Technologies, Linux |
| **Technologies** | Python, Django, JavaScript, JQuery, Mercurial, Debian(Linux), Xpath |

**Major Projects:**

**Key Responsibilities:** Interaction with clients, task priorities, Implementing required functionality, enhancement, testing, bug fixing, version control, reporting to Team Lead and Reporting Manager.

**Project 1:** NetEnforcers

**Features:** Development of a framework to gather data from e-commerce portals through scraping using python. It separates the landing page in 3 parts, Meta, main content and related products.

More than 7000 parsers have been written based on this framework and all relevant data has been collected for further processing related to brand security and comparison purpose. More than 60+ data points are identified which are collected and stored into DB.

**Project 2:** CLWROTA

**Featured Modules:**

**1.** **Rota Management Console:** Console for updating details and generating reports for staff, departments, accounting and leave configuration),

**2. ROTA-XMLAPI:** An API application to interact and carry out intended tasks via API calls

**3. CLWAuth:** Centralized Authentication Application to provide authentication and access control.

**4. Medimessage:** Centralized Messaging Application to send messages to users and also generate system generated alerts.

**5.** **Medileave:** Centralized leave management application which would facilitate users to book leave request, cancel leave request, see their leave status, Summary of leaves, and Reports.

**Role:** Research, Development, Designing, Implementation

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| **Company/ Client** | Oxylabs Networks Pvt Ltd. |
| **Team** | Mafia Resurrection Team. |
| **Team Size** | 10 |
| **Platform** | OpenSocial, Facebook |
| **Technologies** | Python, Google Appengine, Javascript, Jquery, |

**Major Projects:**

**Responsibilities:** Addnew and interesting functionality for user engagement, enhance existing functionality and bug fixing as required.

**Modules:**

**1. Limited Edition War Inventory**: Time and number limited edition Inventory.

**2.** **Memcache Locks In Transaction:** Fast memcache locks in the application at places where crucial and simultaneous transactions are carried out so that asynchronous url calls are error free.

**3. Casino Mini Game:** Designing a casino where User can Buy a number of Casino tickets for some amount, which gives them a chance to win a jackpot for earning Prizes.

**4. Improving Game economy: B**y Introducing Business for Users Instead of territories

**5. Shared Gifts & Perishable Items:** Designing a System through which users can share, with their gang , valuable gifts which get perished by themselves if not availed within a time period.

**6. Deathmatch:** Mini Game allowing a users to combat real-time among themselves based on LAST MAN STANDING format where the User surviving in declared the Winner. The Winner gains reputation on leader-board.

Interests

* Photography, Interaction with people, Music and singing
* Mimicry (Voices and Sounds)
* Own career blog [**http://afterbtech.com**](http://afterbtech.com/)**,** providing Btech students with the latest career and job opportunities in the market.
* I tend to create applications on my own every now and then to be in touch with Python, Django and JavaScript. Some of the major works include
* <http://neerajjoshi.com> where I created my own portfolio and blog.
* <http://Phototakenwith.com> where I created an engine to collect best images around the web and categorize them by Camera brands and Camera models.
* Created Rest APIs using Django which powers the backend data for the corresponding Android and iOS app “PhotoFacts”
* Link – iOS: <https://itunes.apple.com/in/app/photofacts/id1365699939?mt=8>
* Link – Android : <https://play.google.com/store/apps/details?id=com.photo.instaphoto>

Personal Information

**Date of Birth:** 14th Aug. 1987

**Gender:** Male

**Marital Status:** Single

I hereby declare that the information furnished above is true to the best of my knowledge.

**NEERAJ JOSHI**