

**SURYA PRAKASH PANDEY**  
**Full Stack Developer**  
**Mobile:** 7620042110

**Website:** [surya5954.github.io](https://surya5954.github.io)  
**Total Work Exp.** – 5 Years 10 months  
**E-Mail:** [suryaprakash.cdac@gmail.com](mailto:suryaprakash.cdac@gmail.com)

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**Career Objective:**

An enthusiastic programmer, who is highly dedicated to work with obligation, to achieve excellence in design and development of web applications.

**Professional Summary:**

- Almost 6 Years of experience in Software Development Life Cycle (SDLC) in developing and designing user friendly web sites and User Interface (UI) applications using JavaScript, React, JSON, HTML5, CSS3, DOM, AJAX, Angular 2+.
- Excellent Project implementation skills using Object Oriented JavaScript, NodeJS, Express, RESTful APIs, Web Services and Design Patterns.
- More than 3-year work experience with working in NodeJS runtime environment. Good understanding of Event driven architecture of NodeJS.
- Implemented JWT based authentication with OIDC, OAuth2 protocol. A hobby project having Social IDPs integration with React SAP, performing browser-based Authentication.
- Good understanding of Object-Oriented JavaScript programming, with ES6 standards.
- Good experience in writing complex queries, using MySQL, PostgreSQL, SQLite.
- Experience in software configuration management using SVN, Git.
- Experience in Deployment of NodeJS web application on production server and manage them using process manager utility like PM2, Forever etc.
- Basic understating of Docker and Kubernetes in microservices deployment.
- Having medium posts published under good publications with more than 10K views and good page indexing on Google, visit [here](#).

**Key Skills:**

**Programming Languages:** JavaScript, TypeScript

**Frame Works/Architectures:** React, Electron, Angular, Express, Chai, Mocha

**Server Known:** NodeJS, Apache, Nginx, MySQL, IBM WebSphere

**Operating Systems:** Windows 8,10, MacOS, Linux

**Web Technologies:** HTML, CSS, Ajax, JQuery

**Databases:** MySQL, SQLite, PostgreSQL

**IDE Tools:** Visual studio code, NetBeans, Atom

**Debugging Tools:** Chrome dev Tool, Firebug, Postman

**Code Management:** GITHUB, GITLAB, Tortoise SVN

## Professional Experiences:

**HCL Software**

**Aug 2019 to Present**

Senior Software Engineer

**Project Title: HCL Connection**

**Aug 2019 to Present**

(<https://www.hcltechsw.com/products/connections>)

**Role:** Full Stack Developer (Security Squad)

**Project Description:** HCL connections formally known as IBM Connections, an enterprise-collaboration platform which helps teams work more efficiently.

**Link:** [https://en.wikipedia.org/wiki/HCL\\_Connections](https://en.wikipedia.org/wiki/HCL_Connections)

### Responsibilities:

- Being part of security squad, our major goal was to establish Authentication and Authorization flow for Connections.
- Here I have worked on authentication through OIDC, SAML, SPNEGO, LDAP and authorization through OAUTH (JWT based), LTPA token.
- IDPs integration such as Microsoft, PING, KeyCloak as well as social IDPs like Google, Facebook, GitHub etc.
- Got chance to get experience on Web/Application servers like Apache, Nginx, IBM WebSphere.

### Highlights:

- Got chance to deeply understand the OIDC authentication flows like Authorization Code flow, Authorization Code flow with PKCE and Implicit flow.
- Good understanding of Microsoft Authentication Library (MSAL.js) with IBM WebSphere as well as React SPA (For Browser based Authentication).
- Good understanding of KeyCloak, I was able to configure it like Service Provider as well as Identity provider along other social IDPs like Google, Facebook, GitHub etc.
- Create a NodeJS utility to automate process of cloning a list of GitHub private repos from server, merging some file into them on local m/c and raising a PR request for them to review.
- Good Understanding in installation and debugging of Nginx server for load balancing and reverse proxy configuration.

**Technologies:** NodeJS, JavaScript, React, Oauth2, OIDC, Nginx, Apache, Keycloak, Docker, Kubernetes

**Project Title: PCMT**

**May 2016 to Apr 2019**

**Role:** Full-stack JavaScript Developer

**Project Description:**

This tool is used for creating proposal of a project for company itself and customer review. It is a cross platform tool, created as OSX and Windows native application using web technologies. It uses GitHub project Electron as framework. Database part is maintained using SQLITE.

**Responsibilities:**

- Developed this tool from scratch using technologies like JavaScript, NodeJS, HTML, CSS, jQuery, SQLite.
- Involved in Designing and Development of UI pages as well as Backend Development using NodeJS and SQLite.
- Involved in Database Design of the system using DB Designer tool.

**Highlights:**

- Used V8 JavaScript engine inside Electron framework to execute server-side JavaScript code with SQLite database communication which is used to store master data.
- Created custom table component having add /delete/ duplicate per rows and freeze/ collapse/ expand per column features using jQuery and event-based DOM functions.
- Implemented Two factor authentication (Time based OTP) for authentication purpose of offline tool. Also generated QR code to make scan available for mobile application like Google Authenticator, Microsoft Authenticator as well as similar extensions for browsers.
- Implemented inter process communication (IPC) from render process to main process in electron for native OS level communication like opening/editing dialog to access files on system.

**Technologies:** HTML5, CSS3, JavaScript, JSON, jQuery, Node.JS, SQLite, Bootstrap, GIT, Redmine, NSIS, GULP

**KPIT Technologies Ltd.**

**Apr 2015 to Aug 2019**

Software Engineer (Full-stack Developer)

**Project Title: e-Shop**

**Nov 2018 to Apr 2019**

**Role:** Technical Lead

**Project Description:**

This tool is for providing centralization management of hardware distributed among multiple projects in an Automotive Organization. This tool provides e-commerce website feel for ordering, tracking, and shipping mechanism for hardware within Organization around the Globe.

### Responsibilities:

- Helped team in gathering, understanding and analysis of requirements, also worked on Architecture and Database design of the application.
- Developed working prototype of application in the Test phase and demonstrated to win the project from Customer.
- Sprint planning to follow Agile methodologies, task designing and assignment to the team using project management tool JIRA.

### Highlights:

- Used JavaScript frontend framework Angular(v7) for user interface development.
- Used popular Node.js framework Express for creating Restful APIs for providing dynamic data to Angular component via services from the PostgreSQL database.
- Configured LDAP APIs to authenticate from LDAP server and created middleware functions to authenticate request coming to NodeJS server.
- Used Operators from RXJS library for formatting the response into the desired format and for showing the status of the HTTP requests to the user.
- Deployed application on Linux production server using process manager utility PM2 and setup database.

**Technologies:** HTML5, CSS3, JavaScript, Angular, JSON, jQuery, Web pack, Node.JS, PostgreSQL, Bootstrap, GIT, JIRA

### Academics:

- Passed **PG-Diploma** from **CDAC, Pune** with **78%** in **Embedded System Design**.
- Passed **B.Tech** from **Anand Engineering college, Agra** affiliated with **Uttar Pradesh Technical University(UPTU)** with **70.9%** in **Electronics and Communication Engineering**.
- Passed **Intermediate** from **S.S.V. Inter College, Faizabad** affiliated with Uttar Pradesh Board with **75.6%** in Math stream.
- Passed **High School** from **S.S.V. Inter College, Faizabad** affiliated with Uttar Pradesh Board with **73%**.

### Personal Details:

Date of Birth	5, March 1993
Gender	Male
Marital Status	Married
Languages Known	English, Hindi
Nationality	Indian
Hobbies	Singing, Coding and Movies
GitHub profile	<a href="https://github.com/surya5954">https://github.com/surya5954</a>
Linked profile	<a href="https://www.linkedin.com/in/surya5954/">https://www.linkedin.com/in/surya5954/</a>
Medium profile	<a href="https://suryaprakash-pandey.medium.com/">https://suryaprakash-pandey.medium.com/</a>