

Prabhat Kumar Pal

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<https://github.com/palprabhat>

Overview

Creative web developer with over 5 years of experience dedicated to building and optimizing the performance of user-centric, high-impact website applications. Leverage technical, analytical and problem-solving skills to create dynamic, high-speed websites, apps and platforms fueling competitive advantage.

Core Skills

- React.js, Next.js, TailwindCss, ReasonML, Python, node.js, Rest API, HTML 5, CSS 3, SASS, JavaScript, TypeScript, React Native, Machine Learning, jQuery, Bootstrap, MySQL, PowerShell

Experience

- ***Build Engineer at Zen3 Infosolutions America Inc. (Dec 2019 – Present)***
 - Implemented scripts to automate various stages in the deployment process. Monitor and maintain the deployment process.
 - Implemented front-end reusable components for the “Assignments” (– a complete classroom management tool by Microsoft) using ReactJs
 - Work on fixing bugs, writing efficient accessibility code and testing the application.
- ***Software Developer at Tantrum Streets LLC. (Aug 2018 – Nov 2019)***
 - Developed independent and reusable React components using ReasonML for “Autoboard” (– a merchant onboarding platform for ISOs)
 - Developed scalable micro-service APIs.
 - Refactored entire application Autoboard, to create a fast, responsive and highly scalable web application.
 - Worked on the mobile app for Autoboard using React Native.
- ***Senior Systems Engineer at Siemens Healthcare Pvt. Ltd. (Sept 2016 – July 2017)***
 - Implemented modules for a library which was being used by multiple projects process images scanned from a CT scanner machine.
 - Implemented automated test modules for multiple functionalities.
- ***Senior Software Engineer at Capgemini India Pvt. Ltd. (June 2014 – Sept 2016)***
 - Build a web tool to compare databases and migrate data from one another, which helped the team to sync data with multiple environments.
 - Designed and build a Project Tracing tool to manage different tasks of a project to make the process smooth.

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Academic Qualifications

- MS in Computer Science at *Southern Methodist University*, Dallas (2017 – 2019)
- B.Tech in Computer Science and Engineering at *Biju Patnaik University of Technology*, India (2009 – 2013)

Projects

- **Personal Website.** (<https://www.prabhatpal.com>)
 - Website to present myself on the internet.
 - Used NextJs, TailwindCss and Framer Motion to build the website.
- **Weather App.** (<https://weather-app.prabhatpal.vercel.app>)
 - Create a weather app using NextJs and TailwindCss.
 - Used Google Place API to search location and Open Weather Map API to get the weather of that location.
 - Used React Context API to manage global states.
- **Bouncy Ball using Machine Learning with Genetic Algorithm.**
 - Created a Flappy bird clone game in JavaScript
 - Using Genetic Algorithm in Machine Learning the Balls in the game learns to play the game.
 - Implemented all the algorithms and libraries in JavaScript.
- **Machine Learning demo with MNIST handwritten digits.**
 - A learning project to demonstrate the working of Machine Learning using MNIST handwritten digit dataset.
 - Build the entire Neural Network library in JavaScript.
- **Partitioning Random Geometric Graphs into Bipartite Sub-graphs. (Academic Project)**
 - Devised an algorithm to simulate the network coverage of wireless sensors to model ad-hoc networks of varying scale across a variety of geographic areas.

Awards and Recognition

- Received 'Best Innovative Thinking' award for building a web tool to automate generation of more than 100 reports, thereby reducing the deliverable turn-around by 15%.