Aaron E McNeal

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Education

Associates in Computer Science, Grantham University, US

Assosicates in Web Design, DeVry University, US, 2020

Digital Credentials

Generative AI for Code with watsonx Code Assistant Sales Foundation - 2024

watsonx.ai Sales Foundation - 2024

IBM watsonx Essentials - 2024

watsonx.ai Technical Sales Intermediate - 2023

IBM Garage Essentials - 2022

Government Industry Jumpstart - 2022

IBM Consulting – Communicating Value - 2021

IBM Consulting – Delivering Business Value - 2021

IBM Agile Explorer - 2021

The IBM Way - 2021

Languages

English - Fluent

Profile

Aaron McNeal is an Associate Application Developer in the Java Full Stack practice within IBM's Global Business Services.
Mr. McNeal is a highly skilled Full-Stack Developer with 5+ years of experience in designing, developing, and maintaining web applications.
Mr.McNeal is actively seeking to leverage my expertise in both front-end and back-end technologies to contribute to your team and drive innovation.

Key skills

CRM | SDLC | OOP | TDD

OS:
-Windows | Linux
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Web/Application development:
-JavaScript (ES6) | jQuery | Python Scripting | PHP | React | NextJs |React-Native |
   Angular | AngularJS | Nodejs | Express | REST API | SOAP | Microservices | NPM | MVC
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Testing:
-JUnit | Jest

Adobe Creative Suite:
-Adobe Illustrator | Adobe Photoshop | Adobe XD | Adobe DreamWeaver

Database:
-MySQL | MongoDB | Postgres | DBeaver | NoSQL

Version Control:
-Git | GitHub | GitLab | BitBucket

Containers:
-Docker

Java:
-Core Java | Java EE | Spring | Spring Boot | Hibernate | Maven

DevOps:
-Agile Methodology & Development | Waterfall | CI/CD | Jenkins | Heroku | Firebase | Black Box Testing (Q&A)

Cloud:
-Azure Fundamentals | Azure Development | IBM Cloud Watsonx.ai

Microsoft Power Apps:
-Power BI | Power Automate | AI Builder

Salesforce:
-UX/UI designer | Apex development

Key courses and training

Associates in Computer Science at Grantham University, Lenexa, KS, United States
November 2020 – Jan 2024
Angular Full-Stack Development
Oct 2022-Oct-2022
Angular: Complete Guide
Jan 2022-Feb 2022
ReactJS: Complete Guide
March 2021-May 2021

Work experience

React Full-Stack Developer
GV Dev, United States | Jan 2024 - Mar 2024

-I led the development of a multi-tenant SaaS platform using Node.js, Express.js, and MongoDB

-I designed and implemented RESTful APIs for seamless data interaction between the front-end and back-end layers

-I utilized React for building responsive and user-friendly interfaces

-I implemented automated testing frameworks using Jest and Supertest

-I collaborated with product managers and UX/UI designers to translate wireframes into functional software

-I adhered to Agile methodologies, including sprint planning, daily stand-ups, and retrospectives
--I used Webpack to bundle the application and Babel transpiles the application before moving onto QA

Full-Stack Developer
Nader & Goyette Christiansen, United States | Sept 2023 - Mar 2024

-I seeded the development of the companies frontend React application and Python/Django backend application.

-Implemented JWT for authenication, Django Rest Framework for serialization, React-router and Vite for the frontend, and Choreo for PostGreSQL database and frontend and backend deployment

React AI Developer

Rau Group, United States | Mar 2023 - Dec 2023

-I lead the development team of the start-up company with the business objective to revolutionize granular networks.

-Communicated with Management and employees to outline requirements for application and efficient functionality of features

-I practiced Agile methodologies by using indentifying hills and defining user stories, assigned and completed tasks within two week sprints, and also engaged in weekly feedback and reflections to keep everyone engaged and informed on blockers and new things learned and implemented.

-I used Figma for UI wireframing of webpages, color pattern, chosen typography, component designs.

-Using Vite I seeded the initial project instead of creat-react-app

-I organized application folder structure

-I developed and styled the UI's Single-page application and it's components using JSX and CSS

-I implemented Google's Gemini AI API and developed the UI to display the text generation from prompts

-Used JSLint to clean up the code with the files

-I used Webpack to bundle the application and Babel transpiles the application before moving onto QA

Azure Logic App Developer
G V Dev, United States | Feb 2022 - Jun 2022

Led the development and deployment of multiple Azure-based applications, ensuring high availability, performance, and security.

Collaborated with cross-functional teams to design and implement microservices architectures, containerization, and orchestration using Kubernetes. Utilized DevOps practices such as continuous integration, continuous delivery, and infrastructure as code.

TypeScript Developer
D'Amore Grant, United States | Jun 2020 - Sept 2020

-I update Javascript web application to implement Typescript superset in order to help the engineers ensure better functionality and uniformity.

-I helped restrict map functionality access by creating a Custom Map classes and setting the created google map into a variable with private modifier.

-I created and refactored Mappable interface for the User and Company classes to be able to accommodate new created classes.

-I practiced Agile methodologies by using indentifying hills and defining user

stories, assigned and completed tasks within two week sprints, and also engaged in weekly feedback and reflections to keep everyone engaged and informed on blockers and new things learned and implemented.

-I used Webpack to bundle the application and Babel transpiles the application before moving onto QA

UI/UX Designer & Developer
Harmony Delectable Delights, United States | Jan 2019 - Apr 2019

~I helped client understand how the site would be organized and the content structured within the application to make it easy for users to find and use.

~I used visual hierarchy, contrast, alignment, and other design principles to create visually appealing and easy-to-use interface.

~I ensured the application is accessible to people with disabilities, following accessibility guidelines such as WCAG 2.1.

~I created low-fidelity sketches and wireframes to plan out the layout and functionality of an application.

~I built interactive prototypes to test and validate design ideas before moving into development.

~I developed clean, efficient, and maintainable code that adheres to best practices and coding standards.

~I conducted thorough testing of applications to ensure they are functional, user-friendly, and free from errors.

~-I practiced Agile methodologies by using indentifying hills and defining user stories, assigned and completed tasks within two week sprints, and also engaged in weekly feedback and reflections to keep everyone engaged and informed on blockers and new things learned and implemented.

Full-Stack Application Developer
Gene Vision, United States | Oct 2017 - Dec 2022

~I became familiar with front-end technologies such as HTML, CSS, JavaScript, React, and Angular interfaces and integrating with back-end services by developing different web-applications for clients.

~I designed visual hierarchy, contrast, alignment, and other design principles to create visually appealing and easy-to-use interface using sketches, wireframes, and prototypes for different clients.

~I ensured each application was accessible to people with disabilities, following accessibility guidelines such as WCAG 2.1.

~I became proficiency in back-end technologies such as Python, Node.js, and PHP due essential code working with server-side logic, databases, and APIs.

~I further gained experience with the version control system Git by creating

branches, resolving merge conflicts, reverting application to previous functioning versions, merging branches after features were reviewed, tested, and approved and building dev environment repo for Q&A team and process

~-I practiced Agile methodologies by using indentifying hills and defining user stories, assigned and completed tasks within two week sprints, and also engaged in weekly feedback and reflections to keep everyone engaged and informed on blockers and new things learned and implemented.

Assignment history

ReactJS UI Developer
BLaST | Feb 2024 - Apr 2024

Project name: BLaST

Development of a full-stack application that displays current employees active status, contact information, key skills, job roles, and progressions on learning tracks.

Contribution: work with the Frontend team for the development of a multi-tenant SaaS platform using Node.js and Express.js
Designed and implemented RESTful APIs for seamless data interaction between the front-end and back-end layers
Utilized React.js for building responsive and user-friendly interfaces using props, hooks, middleware, and redux
Implemented automated testing frameworks using Jest
Collaborated with product managers and UX/UI designers to translate wireframes into functional software
Adhered to Agile methodologies, including sprint planning, daily stand-ups, and retrospectives

Python Developer
IBM Internal, United States | Jan 2024 - Mar 2024

Project name: Interact with Watsonx.ai

I Developed Python scripts that interacts with a watsonx.ai project, display project name, description, and tools used.

Received project data and organize, sort, and filter project data.

Contribution: I researched the python functions and terminal commands. I created the watsonx.ai project, synced the data to the watsonx.ai project, developed the python script to interact with the watsonx.ai project.

Angular Frontend UI Developer
Morgan Stanley, United States | Apr 2023 - Oct 2023

Project name: Observability

A company finance application receiving and storing client's financial data and company computer and mainframe data to showcase data usage, credential's relevance, highlighted focused concepts, and company's data infrastructure.

Contribution: Developed the company's application UI. Developed the CEC/ CPU components and the LPAR elements within the container. Received and formatted the JSON data from the java backend, programmed and assigned the specific KPI's to the correct LPAR's and their parameters, and aligned the

elements by the given requirements from the client, and used different ES6 methods and Angular directives, pipes, and services to secure the data and visually develop the component and its elements.

Microsoft Power Platform Developer
Bellows College | Jan 2023 - Jan 2023

Project name: Microsoft Power Platform

Display the capabilities of developed applications within the Microsoft power platform. Modernize the visitor registration system where access to the buildings is controlled by security personnel. Implement solution for all visits that are required to be pre-registered and recorded by their hosts.

Contribution: Developed a canvas app from the data within the Visit table, configured the functionality for how the visits and any additions are shown on the browser screen, developed and implemented model-driven application for Bellows Campus Management, and customized application forms and views of the required tables.

UX/UI Designer
Confidental | Nov 2022 - Dec 2022

Project name: CPO AI Ethics

Create designs and presentations to showcase to current and potential clients on how certain actions can be tracked if or when certain components are implemented, and also showcasing how different elements of IBM cloud can be implemented into different marketing strategies for the companies and projects.

Contribution: Designed an updated timeline design, adding the different contribution that have been implemented since the initial timeline, and explaining the added features to the projects by customizing the presentation using designs with adobe illustrator, figma, adobe photoshop, adobe xd, and adobe indesign. Wireframing the slides and UI's with XD.

Angular Application Developer
IBM, United States | Oct 2021 - Sept 2022

Project name: COMPASS

A work place environment that tracked users and their different job roles, measured their tasks, performance, relevant job role opportunities, company compliance status, and also stored and measured different data metrics for all available job roles .

Contribution: Designed and implemented an custom made adobe illustrator icon to the navigation panel for frontend UI, colaborated with my partner's web-design tickets by providing support and implementing solutions to UI issued tickets, developed a filter functionality for the reworks table displaying reworks of files and implemented functionality to specific elements to be displayed accurately, implemented a danger filter for a table's button element, developed and implemented a remove functionality of a danger tag from any text element that it was applied to, and developed a database query to connect to IBM cloud database to retrieve data, and supported partner to filter and display the retrieved data accurately.

ReactJS Front-End Developer

DHS, United States | Apr 2021 - Oct 2021

Project name: CPARS

An application that takes DHS case files data and displays the organized case files as tiles on the home page, upon clicking the tile, the data could viewed or edited and then viewed as a graphs. the graph columns can be filtered or sorted by relevancy. Searchable parameters are available to filter through cases for a specific case file that matched the searched parameter and or of uploaded files that were provided.

Contribution: Completed the project refactoring the application into a SPA while integrating a multi-factor authentication login process that utilized a nodejs server to email a one-time passcode after entering credentials, utilizing functional components to create pages, organized folder structure for proper prop drilling to share data between components, utilized multiple react hooks as in useState, useReducer, useContext, and also useEffect, and utilized the axios libraries get, post, put, and delete requests functions to edit or delete the different user roles/profiles from login credentials, and a user admin module that opened a registration module that created new user credentials from entered data that created a new user's profile.