# Dustin L. Black, II

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## WORK EXPERIENCE

**Software Engineer** — *RXNT*— Remote  **July 2023 – Present**
- Migrating legacy AngularJS microfrontend system to unified modern React website
- Consistently updating .NET Framework 4.5 and .NET Core 6 APIs to keep up with business requests
- Improving developer experience by constructing new local development tools and processes
- Suggesting and implementing changes to enforce better UX practices across the whole team and all owned apps

**Software Engineer I** — *SupplyPike* — Rogers, AR  **March 2022 – July 2023**
- Built Walmart On-Time In-Full one-click fine disputing and dispute details functionalities in React
- Assembled efficient data structures in Typescript and sped up MongoDB aggregations by as much as 2000%
- Collaborated with UX designers to build a company-wide React component library for standardizing common components
- Constructed a new service in Nest.JS for transparency into Walmart's SQEP guidelines which saved nearly $1M for suppliers in early access alone
- Oversaw the CI/CD and upkeep of the new service through Kubernetes and GitHub Actions
- Managed engineering intern hiring flow and participated in hiring panels for engineers from intern to senior level

**Software Engineering Intern** — *Affirma Consulting* — Fayetteville, AR  **June 2020 – February 2022**
- Implemented new custom monthly notification protocol in ASP.NET C# at the request of Microsoft CSSBI as our consulting customer
- Solved user-submitted bug reports via layered analysis of Microsoft SQL Server database
- Updated actionability processes using image generation libraries to meet new security/compliance standards
- Rebuilt verbatim-scanning R scripts for more intelligent sentiment detection

## EDUCATION

**Bachelor's of Science in Computer Science (BSCS)** — *University of Arkansas* — Fayetteville, AR  **August 2019 – May 2022**
4.0 GPA, First-Ranked Senior Scholar, Minor in Mathematics

## PERSONAL PROJECTS

**Arkadia Retrocade Official Website**  **August 2021 - January 2022**
- Developed visually 90's-esque yet functionally modern official website for a local beloved arcade
- Created Spring Boot API connected to a NoSQL database to keep an up-to-date list of functioning cabinets
- Built administrative phone-OS-agnostic mobile app in Flutter for owner to update said list at will, including adding new cabinets and marquees

**Personal Portfolio Site (dlblack.dev)**  **January 2021 - Present**
- Structuring the project as a React web app hosted on Netlify with UX and responsive design in mind
- Experimenting and ideating with interesting technologies such as Three.js and machine learning
- Rebuilding a sudoku-esque puzzle game called Nonogram from scratch with heavy componentization

**J.B. Hunt 24-Hour Hackathons**  **October 2019 - April 2022**
- Placed first in Spring 2021 with an Android app that triggered a Nerf blaster on phone alarms via Python web server
- Placed third in Fall 2020 with a grocery-sharing webapp to combat store traffic during the COVID pandemic using Vue.js
- Placed second in Spring 2020 with a tournament sorting/seeding algorithm integrated with an app and a website
- Placed fourth in Fall 2019 with an Arduino system that maintained a Spotify playlist across many devices over WiFi

## PROFICIENCIES

- **Technical**: JavaScript (incl. React, Nest, Next, Koa, Vue, Angular), TypeScript, Node, HTML/CSS, Python, MongoDB, PostGreSQL, Microsoft SQL Server, Oracle SQL, C# (incl. .NET Framework, .NET Core), Java (incl. Spring Boot, Android Studio), R
- **Workflow**: Git, GitHub, GitHub Actions, Azure DevOps, JIRA, agile methodology, Docker, Figma, Kubernetes, AWS S3
- **Linguistic**: Professional English (native), Mandarin Chinese (conversational), German (beginner)