

Lloyd Dakin

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Professional Experience

Avanade - Full Stack Engineer

Aug 2022 - Current

Environment: *Java Spring, .Net Core, React, Angular, JavaScript, Java, C#, Node.js, SQL*

- Led development and testing of a car insurance mobile app, overseeing UI interface creation using Angular, API Restful layer with .Net API, and database schemas using Entity Framework and SQL. Delivering product for the client 1 month ahead of schedule.
- Upskilled in Java Spring, building a React web application that empowered fellow employees to enhance their skills and contribute to company profitability. Presented the application to a monthly learning meeting reaching 100+ coworkers looking to learn React Spring Applications.
- Solved a client's problem by leading the re-design and full implementation of a customer-centric account recovery feature, enabling seamless account retrieval through phone numbers. This resulted in a 40% increase in account recovery logins.

Ciena - Embedded Network Engineer

Feb 2022 - July 2022

Environment: *C, Internet Protocols, Bash, Python*

- Independently developed a pivotal feature enabling routers to seamlessly transition between protocols by implementing TCP redistribution to BGP routing using the C programming language.
- Resolved 15+ software bugs in YANG models and bash scripts, improving software reliability. Provided troubleshooting instructions to support the team for efficient issue resolution.
- Built and deployed virtual routers using proprietary virtual machines for thorough testing of bug fixes and new features, ensuring optimal software quality and reliability.

Amazon - Software Development Engineer Intern

May 2020 - Sep 2020

Environment: *AWS EC2, React, Bootstrap, Java, RDS, JavaScript, HTTP, REST API*

- Developed an internal analytics tool using React, enabling the team to view ad campaign's metrics, thus boosting productivity.
- Developed search bar tooling with React Bootstrap to retrieve data from a lambda instance connected to an RDS database, saving ~1,800+ working hours per month by replacing manual querying of SQL database
- Built multiple data analysis pages with Chart.js for detailed custom search queries, allowing team members to find specific sets and look at generated statistics including top/lowest performing ads

Tech Core - Web Developer

Feb 2020 - May 2020

Environment: *JavaScript, Html, CSS, SQL*

- Developed web pages for company products that clients would view to increase product sales and interest in projects.
- Created UI menus for selecting different scenarios and settings using JavaScript for a Unity VR operating room.
- Debugged SQL database and removed bad data using a script that I developed and tested, which located bad data entries by checking strings with regex.

Projects

Photography Planner Website

Github: <https://github.com/LTDakin/Shoot-Planner-Web-App>

A full stack website that allows photographers to create accounts, plan photoshoots, and upload photos to profile

Euclidean Clustering Algorithm

Github: <https://github.com/LTDakin/ClusteringAlgorithm>

Java implementation of Euclidean clustering algo which finds clusters of x points with distance functions

Plant Social Media Website

Github: <https://github.com/LTDakin/InstaGrown>

Social media site for plant owners to share their gardening tips, interact with other members posts, and customize profiles

Background & skills

University of Arizona | Bachelor of Science, Computer Science

Languages: Java, Javascript, TypeScript, Python, HTML, CSS, C, C#

Frameworks: Bootstrap, React, Redux, Java Spring, .NET, .NET CORE, Express, AJAX, NodeJS, Docker,

Databases: SQL, Microsoft SQL server manager, MongoDB

Other Skills: Javascript fetch requests, API design, Client Communication, Computer Hardware, B2C Ad Analytics, AB testing, Adobe Design Suite, UI/UX Design, JSON, Enterprise Software Development