

DESMOND ADEMILUYI

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PROFESSIONAL SUMMARY

Accomplished senior software engineer and mentor with a proven track record in delivering tailored, high-performance solutions. Passionate about nurturing the next generation of software engineers.

WORK HISTORY

06/2023 to Present Senior Software Engineer

Talent Systems, Los Angeles, CA, USA.

- Spearheaded the integration of new payment methods, leveraging technologies like GraphQL, TypeScript, React, and payment platforms like Stripe and Recurly. Resulting in an enhanced user experience and increased transaction efficiency.
- Continuous improvements to the SASS platform, addressing bugs, introducing new features, and modernizing technologies.
- Conducting thorough code reviews to maintain code quality, adherence to coding standards, and best practices.
- Implementing automated testing frameworks and strategies to ensure the robustness of the codebase.
- Design GraphQL schemas to efficiently query and mutate data, optimizing for performance and minimizing unnecessary data transfers.
- Architecting and implementing microservices to enhance system modularity, scalability, and maintainability.
- Continually maintaining code, making bug fixes, and adding new components and features to the SASS app.

06/2023 to Present Part-time Adjunct Instructor

Westcliff University, Irvine, CA, USA.

- Currently teaching master-level system engineering class focused on model-based systems thinking, requirements engineering, system architecture and design, systems engineering, and system integration and testing.

- Mentor and supervise student projects in systems engineering, providing guidance on the real-life application of software and systems engineering concepts.
- Foster group learning and collaboration among students to achieve project objectives and enhance overall learning experiences.
- Grade and provide constructive feedback on students' weekly assignments to support their academic growth.

10/2020 t 05/2023 Software Engineer

Lovevery, Boise, ID, USA.

- Created the frontend of the company's Checkout app by leveraging technologies such as React.js, Typescript, Redux, and integrated payment solutions including Stripe, Google Pay, and Apple Pay.
- Worked with developers, designers, and PMs to develop the e-commerce platform using Contentful, NextJS, Tailwind, and Typescript.
- Led the effort to transition the codebase from plain JS to TypeScript.
- Collaborated with designers and stakeholders to design best practices
- Co-developed the subscription flow app using ReactJS and GraphQL.
- Worked with other engineers to develop the subscription flow in the eCommerce app.
- Worked with other engineers to develop a new platform using NextJS, Typescript, and Contentful.
- Worked with other developers and UX designers to develop the gifting app.

08/2020 to 10/2020 Senior Software Engineer

Anti-Fragility Health, Anaheim, CA, USA.

- Directed the development, launch, and enhancement of the health tech e-commerce software using React JS, Typescript, Node JS, PSQL and Stripe.
- Defined and enforced coding standards, leading to improved code quality, testing, and documentation

09/2017 to 08/2020 Full-Stack Developer

PilotX, Laguna Beach, CA, USA.

- Worked with engineers, QA, project managers, and other stakeholders to develop and launch the PilotX SAAS platform using technologies such as Python, ReactJs, Typescript, and NodeJS.
- Implemented SEO strategies that resulted in increased user engagement and improved user conversion by 18%.

- Designed and developed the reporting app, a custom ad video player, and CTV apps for various clients.

08/2012 to 09/2016 Assistant Lecturer

Osun State Polytechnic, Iree, Osun State, Nigeria

- Taught computer software and hardware courses and supervised students' projects.
- Guided and mentored a diverse group of undergraduate students throughout their academic journey.
- Provided academic advice and assistance in course selection, helping students make informed decisions about their academic goals.
- Conducted regular check-ins with mentees to assess their progress and address any academic or personal challenges they faced.
- Organized and facilitated workshops and seminars on study skills, time management, and goal setting to support student success.
- Collaborated with other faculty members to develop and implement mentorship programs to enhance student engagement and retention.

EDUCATION

03/2023 Doctor of Science: Computer Science

Aspen University, Phoenix, AZ, USA

12/2017 Coding Bootcamp Certificate

University of California, Irvine, CA, USA

11/2015 Master of Technology: Computer Science

Ladoke Akintola University of Technology, Ogbomosho, Oyo State, Nigeria

12/2010 Bachelor of Technology: Computer Science

Ladoke Akintola University of Technology, Ogbomosho, Oyo State, Nigeria

PROFESSIONAL ARTICLES

- I. Ademiluyi, D. T. (2024). Unraveling the Impact of *React.memo* in Functional Components. <https://medium.com/@desmond4088/unraveling-the-impact-of-the-react-memo-hook-on-functional-components-2100f2319bd8>

RESEARCH INTERESTS

- I. Ademiluyi, D. T. (2023). Deepfake Video Detection Using Human Facial Features. (Doctoral dissertation, Aspen University).
<https://www.proquest.com/openview/ff1e5a22a49455330e6fd2dc62042ad9>
- II. Ademiluyi, D. T. (2015). Performance Evaluation of Selected Feature Extraction Algorithms in Ear Biometrics. (Master's thesis, Ladoke Akintola University of Technology).
- III. Ademiluyi, D. T. (2010). Securing multi-media-based E-learning System by Crypto-Biometrics Scheme. (Bachelor's thesis, Ladoke Akintola University of Technology).

JOURNAL ARTICLES

- II. Nguyen, D. S. W., & Ademiluyi, D. T. (2023). Deepfake video detection employing human facial features. *Journal of Computer and Communications*, 11(12), 1–13.
<https://doi.org/10.4236/jcc.2023.1112001>
- III. Afolabi, A., Ademiluyi, D. (2015). Performance evaluation of some selected feature extraction algorithms in ear biometrics. *International Journal of Science and Research (IJSR)*. 4 (3). 2384-2390. <https://www.ijsr.net/getabstract.php?paperid=SUB152720>

CONFERENCE PROCEEDINGS

- I. Afolabi, A. O., Ademiluyi, D. T., Lawal, O. O., & Durosinmi, A. E. (2015). Ear Symmetry Evaluation on Selected Feature Extraction Algorithms. In *Proceedings of the Isteams minTT Conference (Series 8), UNIBEN 2015* (pp. 313-322).

PROFESSIONAL DEVELOPMENT

- I. Deep Learning Core Concepts and PyTorch Certificate. Udeemy, (2023).

SKILLS/ TECHNOLOGIES

PROGRAMMING LANGUAGES: HTML, CSS/SCSS, JAVASCRIPT/TYPESCRIPT, PHP

FRAMEWORKS & TOOLS: REACTJS, REDUX, NEXTJS, NODEJS, CONTENTFUL CMS

DATABASES: MONGODB, POSTGRESQL/MYSQL

OTHER: SHOPIFY LIQUID, ROKU BRIGHT SCRIPT, SWIFT/TVMLKIT JS, FLUTTER

COMMUNICATION: STRONG WRITTEN AND ORAL COMMUNICATION SKILLS