Sanath Punchibandage

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Skills

- JavaScript | TypeScript | Node | React | Redux | jQuery | NoSQL | Git | Next.JS | HTML | CSS | Python | Tailwind CSS | shadcn/ui
- AWS | GCP | Cloud Computing | CI/CD | Lambda | API Gateway | Vercel | Adobe Photoshop | Solidworks
- Open AI | Langchain | Replicate | Prisma | Upstash | Redis | Clerk | Stripe | Firebase | CodeMirror | Mapbox
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack | English

Experience

Professional Systems Engineer   **DXC Technology**   *Melbourne, VIC, AU*   **04/2021 - Current**

- Designing and building digital infrastructure solutions, from databases to full-stack web applications
- Modernising operations and driving innovation for businesses by utilising the power of Cloud Computing
- Built WCAG-Compliant React app with ServiceNow API integration for government client using AWS Lambda and API Gateway
- Improved machine learning algorithm to extract text data from scanned documents more efficiently
- Automated cloud infrastructure deployment and maintenance by implementing CI/CD using Terraform and CodePipeline
- Improved UI, developed numerous widgets, and maintained code base repo for frontend contact center application using React
- Developed several Python-based APIs in backend for React App using AWS Lambda and API Gateway on AWS
- Developed team member search widget with live status/availability in React App by Integrating GraphQL API for MS Teams

Duty Manager   **Big W**   *Pakenham, VIC, AU*   **11/2016 - 03/2021**

- Conducted high-priority store operations, including handling of cash to and from safe, and arming and disarming store alarms
- Improved store profitability and customer satisfaction by handling customer complaints personally resulting in positive outcomes
- Increased overall employee output and satisfaction by assisting team members with their work and addressing/resolving concerns

Electric PowerTrain Engineer   **Monash Motorsport**   *Clayton, VIC, AU*   **01/2017 - 12/2017**

- Improved power output, mileage and overall performance of electric car by conducting research on energy storage solutions
- Reduced drag of electric car by designing and building battery mount/brace solution using CAD
- Improved testing data and analytics by contributing to the design and assembly of electric car wiring loom and adding more sensors
- Increased car acceleration and top speed by designing and building air intake tubing

Founder/Private Maths Tutor   **Transcend Education**   *Melbourne, VIC, AU*   **01/2015 - 12/2020**

- Taught and developed notes, teaching materials and practice content to over 50 students from Years 1 - 12 for Mathematics
- Recruited a team of more than 10 private tutors who specialised in wide range of subjects to cater to increased demand for tutoring
- Deployed online platform which connected students to tutors across Victoria

Education

Bachelor of Engineering (Honours)   **Monash University**   *Clayton, VIC, AU*   **01/2015 - 12/2020**

- Major in Mechatronics Engineering

Bachelor of Commerce   **Monash University**   *Clayton, VIC, AU*   **01/2015 - 12/2020**

- Major in Finance

Projects

- **AI Companion:** An AI chat platform to discover, create, and talk with virtual characters and celebrities, powered by Open AI   **(08/2023)**
- **LeetCode Clone:** Online code editor with test cases to prepare for technical interviews by practising coding problems   **(06/2023)**
- **ChatGPT Clone:** Powered by Open AI's API to create humanlike conversational dialogue   **(04/2023)**
- **Amazon Clone:** A online marketplace where users can add items to cart, checkout using Stripe, and view their order history   **(11/2022)**
- **Airbnb Clone:** Uses Mapbox API to display accurate locations of real listings using geo-location data direct from Airbnb   **(10/2022)**

Mentorship

- **RoboGals:** A robotics program tailored for girls considering a career in STEM   **(01/2016)**
- **Spark Engineering Camp:** An engineering camp for under-privileged students to encourage pursuing higher education   **(01/2016)**

Professional Certification

Solutions Architect - Associate   **Amazon Web Services**   **Issued: 07/2021 - Expires: 07/2024**

- Earners of this certification have a comprehensive understanding of AWS services and technologies