

# Donald Derek Cross

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## Education

Florida Atlantic University, Boca Raton, FL 2003  
BS in Computer Science  
University of Florida, Gainesville, FL 1997  
BS in Agricultural Engineering

## Skills

Proficient: React, React Native, Redux, JavaScript, Node.js, TypeScript, Webpack, Git, HTML, CSS, PHP  
Experienced: Python, Kubernetes, Storybook, AWS EC2/VPC, MySQL, Nextjs

## Professional Experience

Mobomo, Fulltime Remote Senior Frontend Engineer	Dec 2021 - Sep 2023
- Developed key features for a power management software as part of core team of engineers - Implemented new user interface using React, Redux, Typescript and Tailwind - Improved user experience for energy efficiency frontend desktop solution - Collaborative team working remotely doing daily one-to-one sync meetings - Used git to push code on a daily basis, code reviews and Jira using a CICD pipeline - Created and run integration test cases for components using Jest	
Inversiones La Cruz, Fulltime Remote Senior Frontend Engineer	Nov 2019 - Nov 2021
- Engineering a microservice for routinely reconciling remote OpenShift clusters on AWS using Node.js and Pulumi to ensure the health of infrastructure resources like VM's, VPC's, and storage - Automating the bootstrapping of remote OpenShift cluster namespaces, secrets, and deployments using Kubernetes SDK and Node.js - Re-engineered Shopify Store UI for API Gateway on AWS Cloud using Nextjs, GraphQL and React - Built a consumer facing Digital Banking solution for a major financial institution in Peru using React Native for IOS/Android. The app was built to enhance the user experience and improve performance over existing off-line document-signing, onboarding and delivery solutions	
McCann, Manhattan, NY Full-Stack Innovation Engineer	Jan 2019 - Jul 2019
- Developed a Chatbot in Facebook Messenger using Node.js BotFramework - Integrated Azure backend services via REST / Web Services for user profile and data persistence - Integrated LUIS natural language processing services to improve user interaction and engagement	
Virtual Doorman, Manhattan, NY Lead Mobile Developer	Aug 2018 - Jan 2019
- Hands-on experience building a React-Native mobile app from scratch. The mobile app connects with intercom stations to monitor and track guest access. - Created an module with React and API with Node.js/Express, MySQL for user admin access - Created calling feature using React Native framework and WebRTC to link users with the call center - Mentored junior developers by shadowing and providing feedback until they earn their "wings" - Fostered positive interpersonal relationships with fellow co-workers	

Fraud.net, Manhattan, NY	May 2018 – Aug 2018
<b>Software Engineer – Contract</b>	
<ul style="list-style-type: none"> <li>- Developed and designed an anomaly detection ETL pipeline for data pre-processing</li> <li>- Created an indicator dashboard for presentation purposes using Flask, HTML and JavaScript</li> <li>- Analyzed large transactional data sets to find behavioral trends and patterns to identify fraud</li> <li>- Used Python, Pandas, Numpy and Scikit Learn for data processing</li> </ul>	
<b>Indexa.pe, Remote</b>	Jun 2017 – Jun 2018
<b>Frontend developer</b>	
<ul style="list-style-type: none"> <li>- Develop and support CMS WordPress Themes, Plugins</li> <li>- Support of web sites and expand its capabilities</li> <li>- Involving in designing, coding, Unit Testing and database creation</li> <li>- Fix / Debug WordPress Plugin Issues</li> </ul>	
<b>Inversiones la Cruz, Peru</b>	Sep 2013 – Jun 2017
<b>Freelance developer</b>	
<ul style="list-style-type: none"> <li>- Led the development and support of a lending chatbot app -- using technologies such as Node.js, MongoDB, and AWS -- that automates the processes of attracting, engaging and selling for company's customers, creating digital sales channels that perform onboarding processes</li> <li>- Produced 200 digital intents using DialogFlow API to customize chatbot user interactions by observing and gathering over 1,000 phrases from client call center improving customer experience and supporting the client's onboarding process.</li> <li>- Completed routine administrative tasks such as shift scheduling and managing conflicts</li> </ul>	
<b>Kallpa Generacion S.A, Peru</b>	Abr 2011 – Sep 2013
<b>Freelance Developer</b>	
<ul style="list-style-type: none"> <li>- Led agile software development project to consolidate multiple data sources into one backoffice product developed with PHP and MySQL</li> <li>- Converted historic customer relationship data, modified data structures, developed graphical user interfaces and end-user reports</li> <li>- Developed, managed and controlled the project schedule, facilitated status meetings and prepared reports for schedule and program reviews release experience</li> </ul>	
<b>Iguana Host, Peru</b>	Sep 2005 – May 2011
<b>Co-founder &amp; CTO</b>	
<ul style="list-style-type: none"> <li>- Led the development and support of creative and developer teams. Colaborated in the implementation of customer's websites including desktop and SEO optimized for a multitude of high-profile clients including Kallpa Energy, Adecco Perú, Gilat Perú, Intel Perú, Universitario Deportes and PDI "Infrastructure Projects of Peru" while reinforcing best-practice techniques for online product suite</li> <li>- Successfully managed cross-functional teams of creative directors, UI and back-end developers, quality assurance engineers in multiple time zones</li> <li>- Managed production implementation, including deployment, migration checklist and support documentation required to go live</li> </ul>	

## Achievements

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*Redis: Key Characteristics and Use Cases Talk, September 2019*

Build with Code NYC

*PUCP University Talk, 2015*

Predictive Scoring for Unbanked Youth, Lima-Peru

*Validation and Packaging of Technology, 2016*

Lending Chatbot App

*Productive Enterprise Innovation, 2013*

Productive Enterprise Innovation

## Interests

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Foodie, surfing, hiking, history, documentary filmmaking, Open Source enthusiast