

Summary:

Full stack developer, I specialize in building cross-platform mobile and web applications with amazing user experience, state of the art security, and scalability. I am keen to be part of dynamic teams working on projects that showcase my strong problem-solving skills and strengthen my expertise.

Skill Highlights

- o Front-end: JavaScript (ES6), React Native, React JS, HTML, CSS, Bootstrap.
- o Back-end: AWS Amplify, AWS AppSync, AWS Cognito, DynamoDB, AWS Lambda, AWS CloudWatch, AWS S3, Apollo GraphQL Client.
- o Server-side programming: Node.js, Python (2.7 and 3.6), Django and Django Rest Framework.
- o API design: REST and GraphQL.
- o Command line interface: Expo SDK CLI, AWS Amplify CLI.
- o Scientific Modeling: numpy, matplotlib, scipy, tensorflow, MATLAB, Mathematica.
- o Excellent communication and technical skills, fast learner, good team player and very proactive in problem solving to provide best solutions.

Work Experience

April 2018– **Software Engineer**, *Pavegen Systems Ltd.*

- Current
- Designed flawless user interfaces for mobile and browser-based gaming applications for enterprise clients using React Native and React JS.
 - Built AWS cloud-based back-ends that integrate with React JS and React Native front-ends.
 - Built highly secure authentication layer with AWS Amplify and Cognito to be integrated with the clients applications.
 - Created and configured AWS S3 buckets to store and serve static content with full front-end integration.
 - Built python software that reads and plots electric generators output.
 - Supervised and supported junior staff to write python scripts that remotely trigger the camera feature of a commercial photo-booth.
 - Continuous improvement and management of applications while ensuring client needs and target deadlines are met.

January 2017– **Post Doctoral Research Associate**, *Cambridge University Graphene Centre.*

April 2018 Designed experimental protocols to test the electronic properties of bi-dimensional organic materials. Performed theoretical analysis and first-principles calculations to fitting large sets of experimental data. Wrote peer-reviewed scientific reports detailing the projects specifications and their major outputs.

Published Projects

- o **Citizen Earth**, Pavegen mobile app with React Native.
Google Play Store: <https://bit.ly/2U0sPwt>. iTunes: <https://apple.co/2TYII7z>
- o **Plush**, Social gaming app with React Native and AWS.
iTunes: <https://apple.co/2J11kIS>. Google Play Store: <https://bit.ly/2SSJHV9>
- o **ReactNativeAuth**, Full features user authentication with React Native and AWS Amplify Auth.
Link: <https://github.com/jtaylor1989/ReactNativeAuth>
- o **Zopher**, Serverless tweeting mobile application with React Native and AWS Amplify AppSync.
Link: <https://github.com/jtaylor1989/Zopher>, <https://bit.ly/2Qol3JO>

- o **PhoneInput**, React Native international phone component with country code and flag for mobile sign up pages.
Link: <https://github.com/jtaylor1989/PhoneInput>, <https://bit.ly/2QseJIG>
- o **React Native AppSyncS3**, React Native app for file upload to S3 and DynamoDB using AWS AppSync SDK with the Apollo GraphQL Client.
Link: <https://github.com/jtaylor1989/react-native-appsync-s3>

Achievements

- o **Serverless**, Several of my open source work has been featured by AWS.
Links: <https://bit.ly/2SYVFS4>, <https://bit.ly/2uSfSdD>, <https://bit.ly/2YQZacE>
- o **AWS**, Nominated to the AWS Amplify Heroes Program.

Education

- 2013–2016 **Doctorate in Physics**, France.
Grenoble University - Ecole Doctorale De Physique, Centre National de Recherche Scientifique.
- 2011–2013 **Master Research Condensed Matter and NanoPhysics**, France.
Strasbourg University, Institut de Physique et Chemie de Materiaux de Strasbourg.

Languages

English **Excellent Command**
 French **Near Native**
 Arabic **Native Speaker**

Interests

- Real Estate Investing
- Writing on Medium
- Blockchain Technologies
- World Exploration, Traveling

Links

Github <https://github.com/jtaylor1989>
 Medium <https://medium.com/@henni1989younes>
 Linkdeln <https://bit.ly/2L2s6rr>
 Website <https://powerh.co.uk>
 Scientific Publications <https://bit.ly/2zP2Wlz>