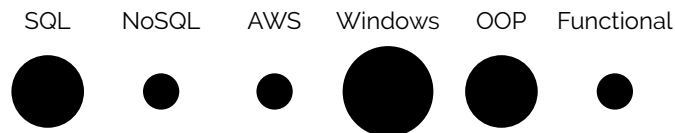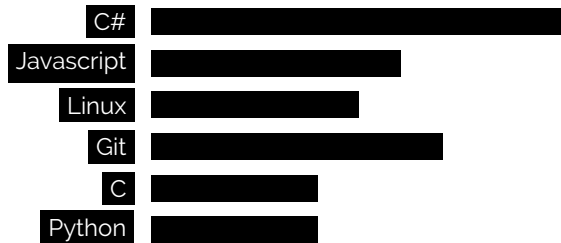# JOSHUA JACKSON

Software Engineer II

Huntsville, Alabama

+1 256 929 9093

joshua.w.jackson@protonmail.com

WHO AM I?

I am a passionate technology geek seeking to push my skills and abilities to new levels. My career has exposed me to a broad range of technologies, and it has been a humbling journey. I love learning about practically any topic, and I thrive in environments where learning is a constant requirement. I'm currently focused on sharpening my low-level programming abilities and reducing the number of abstractions between myself and the bare metal.

C#

Javascript

Linux

Git

C

Python

SQL NoSQL AWS Windows OOP Functional

EXPERIENCE

2012 – present	**Software Engineer II**	**Cepeda Systems and Software Analysis**

Full-Stack Desktop object-oriented application development providing aviation GIS mission planning capabilities for the Department of Defense.

- Created a WPF application for running tests in the production environment that generated a test report and traceability matrix, which significantly reduced testing time.

- Fielded a REST web service for gathering user feedback during a test event on an isolated network, which reduced distractions and increased the quality of the feedback gathered during the event.

- Designed and implemented a safety-critical application in C++ (targeting Wind River Linux) that converts a vendor-neutral data format into the format required by the avionics.

```
C# / Visual Studio / Windows / Azure Dev Ops / C++ / Linux
```

Sept. 2018 – 2020 part time	**Lead Developer**	**Cepeda Systems and Software Analysis**

Serverless web application for facilitating CMMI appraisals.

- Architected the application using AWS for the back-end (Lambda, Cognito, S3, DynamoDB, API Gateway) and React+Bootstrap for the front-end.

- Created scripts using the Serverless Framework and NPM for deploying the back-end and front-end automatically.

- Integrated the project with Electron, which provided equivalent functionality as a Desktop application while reusing existing code.

```
JS / React / AWS / Node.js / Electron / Git
```

EDUCATION

2007 – 2012	**Bachelor's Degree**	**University Of Alabama in Huntsville**

Computer Engineering - GPA 3.4

REFERENCES

251 616 0420	**Ashley Sanders**	**Former colleague and collaborator**
256 461 1210	**Chase Marsh**	**Architect and Lead Developer - AMPS**
256 603 3519	**Tom Holt**	**Former Architect and Lead Developer - AMPS**