Matteo Ansaldi

Curriculum Vitae

Via Borgo San Dalmazzo, 6
12012, Boves (CN), Italy
✆ *+39 366 351 6370*
✉ *ansaldimatteo@outlook.com*
www.linkedin.com/in/ansaldi-matteo

Education

2017–2019	**Masters Degree in Computer Engineering**, *Politecnico di Torino*, Turin, *110/110*.
2013–2017	**Bachelors Degree in Computer Engineering**, *Politecnico di Torino*, Turin, *92/110*.

Masters Thesis

Title	*Camera-less context detection in mobile platforms*
Supervisors	Professor M. Poncino & Associate Professor D. Jahier Pagliari
Description	This thesis studied the potential to use low-powered sensors in mobile devices with a Convolutional Neural Network to help reduce battery usage. I developed an Android app in Java to collect the training and testing data, and implemented the CNN using Python and PyTorch.

Professional Experience

08/2020–Present	**Associate Solutions Architect**, Amazon Web Services, Milan.
	My main role as a Solution Architect in AWS involved talking directly to greenfield clients in the retail space. I've presented AWS to multiple large Italian companies, and assisted them in developing new applications on AWS or migrating parts of their infrastructure from on-premises to the cloud.
	While working with AWS, the first 5 months were dedicated to studying the platform's services. I've personally used multiple services like EC2, Lambda, DynamoDB, RedShift, CloudWatch, S3, SNS, Amplify to name a few. During this period I also developed a couple of file hosting services fully on AWS to fill in some missing gaps in the tools we had at the time.

05/2019– 08/2020	**Programmer**, REPLY S.P.A, Turin. Worked and lead on multiple projects for external clients. The majority of the time I worked as an iOS developer and maintainer, developing a couple of apps while also managing launches along with my couterparts on Android. I also worked as a backend developer on other projects, mainly creating backends in node.js

Detailed projects:

○ **Beretta Firearms**
My work on the Shooting Data project involved learning Objective-C and then taking over the role of primary iOS developer on the app, alongside the role as maintainer of a parser for data collection. As maintainer of the parser, I had to interact directly with the clients, use the Azure IoT Hub, and update the parser written in java.

○ **Vodafone**
For this project, I maintained the main backend in node.js for the Smart@Home Vodafone Platform. This required managing multiple databases for each development environment and general maintenance of the backend for push notifications. The main technologies used were node.js, MySQL, and multiple AWS technologies such as SQS, SNS, ECS, RDS, etc.

○ **Fondazione Torino Musei**
On this project, I was given the role of developing the iOS app and designing the backend with Firebase Cloud Firestore. I also had the opportunity to study and implement some Firestore Cloud Functions to keep the data synchonized.

○ **Caleffi**
I worked as an iOS developer on the project, which required designing multiple API calls to our backend, and to develop an interaction flow between a gateway and iPhone via bluetooth commands.

Certifications

2021	AWS Certified Developer - Associate
2020	AWS Certified Solutions Architect - Associate
2020	AWS Certified Cloud Practitioner

Computer skills

Basic	JAVA, Adobe Illustrator
Intermediate	PYTHON, HTML, LATEX, OpenOffice, Linux, Microsoft Windows
Advanced	Computer Hardware and Support

Communication Skills

2010	Oral Presentation at the California Business Conference
2009	Poster at the Annual Business Conference in Oregon

Languages

English	**Mothertongue**	C2
Italian	**Mothertongue**	C2
French	**Basic**	A2

Interests

- Piano
- Cooking
- Running

- Chess
- Dancing

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