ARTHUR CECCOTTI

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○ **/gmtuca**   **arthur-ceccotti-0042** in

Certifications

- *Oracle Certified Associate* (1Z0-808) – Java SE 8 Programmer I   Feb 2017
  Exam result: **92.5%**
- Oracle Certified Professional (1Z0-809) – Java SE 8 Programmer II   Oct 2017
  Exam result: **83.0%**

Work Experience

American Express, UK   Sep 2016 – present
Know Your Customer (KYC) – Software Engineer II   Aug 2017 – present

Technical skills
- Back-end development experience building event-sourced, scalable **Spring Boot** microservices on the **Kafka** ecosystem, handling thousands of daily events containing sensitive customer information.
- Gained intermediate knowledge on enterprise Java frameworks, including Hibernate, Jackson, JAXB, OAuth2 client, Voltage encryption, unit testing in Spock and deployment to enterprise cloud platforms (ePaaS) with Splunk monitoring.
- Proposed & developed *Java Excel Mapper*, the **first Java Open-Source project at American Express** (https://github.com/americanexpress/jexm).

Soft skills
- Hosted **3 Campus 20 talks** on Java 8 & Kotlin and multiple knowledge shares.
- Interviewed over 20 junior engineers, including graduates & contractors and represented the company in multiple national and international recruitment events.
- Achieved **3rd Place on the 2018 GrowthHack** after conducting presentation to thousands of colleagues, including top-level leadership, competing with 127 teams.

Global Authorizations Network (GAN) – Graduate Engineer   Sep 2016 – July 2017
- Overall knowledge of the Amex Authorization transaction flow, GCAG specification and certain market-specific payment specifications.
- Implementation changes written by myself currently run in thousands of daily transactions, in multiple markets, under a high availability platform.

IBM, UK   Sep 2014 – July 2015
IBM WebSphere Liberty Profile - Software Engineer Intern
- Back-end development of NodeJS & Java web applications for collection and visualization of code delivery patterns and targeted testing.

- Followed **Agile**, **TDD** and Continuous delivery methodologies within a global team, increasing reliability, performance and test coverage of the *WAS Liberty Profile* across different Operating Systems & JVMs.
- Volunteered teaching Computing to local primary school, helping inspire and shape the minds of upcoming generations of developers.

Education

- Fluency in **English** and **Portuguese**. Intermediate level **Italian** and **Spanish**.

University of Manchester, UK – BSc Computer Science   Sep 2012 – July 2016

- *First-class* with honours – result: **79.0%**
- Excelled in studies of Complexity Theory, Algorithms, Computer Networks, Microcontroller Architecture in **C** & **ARM Assembly**.
- Final year project: development of a *Database Management System* on *SpiNNaker*, an experimental hardware component made of **thousands of processors** used to **simulate human brain activity**. I had to account for complex issues such as low-level concurrency, shared resources, unreliable packet exchange. The project and dissertation can be found at git.io/v11aS and git.io/v11r5 respectively.

Fondazione Torino, Brazil – Secondary School   Sep 2008 – July 2012

- *GPA 5.0* – result: **91.0% (top 5%)**
- Presented honourable thesis on *Infinity and the Expansion of the Universe* to a board of examiners and over 40 spectators.

Additional Responsibilities

Manchester Dodgeball Society – Team captain & referee   Sep 2013 – Sep 2014

- Role of promoting events, organizing tournaments and coaching team during play.
- Had to ensure the society's welfare by discussing relevant financial and marketing decisions within an elected committee.
- I am a **certified UK referee** and practised such role during the *2014 Dodgeball World Cup* in Manchester, with participation of over 20 international teams.

Side projects

- Development of Android dating app on **React Native** frontend and **NodeJS reactive back-end** making use of **rxjs** and **MongoDB** persistence.
- Open-source contributions to the low-level C & Python *SpiNNaker* project, funded by the *European Research Council* - https://github.com/SpiNNakerManchester