



Costas Papanicolaou

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PROFILE

I am an enthusiastic and technology driven software developer with an interest in Information Security. Throughout my studies at the university, I have been involved in several challenging software development projects like the prototype development of novel authentication solutions. Since then, I have applied my knowledge of writing clean, bug-free, optimised and secure code by developing commercial applications that have been used by thousands of people. I believe that constant learning is one of the keys to becoming a leading software developer and therefore I constantly seek to expand my technological knowledge.

WORK EXPERIENCE

SOFTWARE DEVELOPMENT SPECIALIST

Mar 2022 – Present

Vubiquity – Limassol, Cyprus

- Employed as a **Python Specialist** within the **Content Engineering Team** of a prominent **global media services provider**. Tasked with the responsibility of ensuring the delivery of high-quality, error-free video content to esteemed clients including Netflix, Amazon, Google and Hulu.
- Collaborated with three different **SCRUM** development teams and helped them in delivering **prototype software solutions** related to video analysis, encoding and localization.
- Developed backend development skills using **serverless technologies**, like AWS lambda, API Gateway, SQS Queues, DynamoDB and step functions.
- Advanced my front-end development skills after working on **UI development** using **React.js**.
- **Mentored** junior software developers and **ensured they are on track** with their deliverables.

FULL STACK DEVELOPER

Jun 2020– Mar 2022

Phoebe R&D – Nicosia, Cyprus

- Worked at a **startup R&D** company that specialised in designing and developing **IoT software solutions** in collaboration with the research center of University of Cyprus (KIOS).
- Advanced my backend skills in **Python** and **Django** after extensively working with **Django REST Framework** in multiple research projects like smart buildings and water analytics.
- Advanced my front-end development skills after working with **UI framework vue.js**
- Enhanced my dev ops skills as I learned working with **Docker** and took care of all the **server deployments**.

FULL STACK DEVELOPER

Nov 2018 – Jun 2020

Cocoon Creations – Nicosia, Cyprus

- Worked at an **award-winning software development firm**, which specialises in creating excellent web and mobile applications for world-class companies like Deloitte and JCC.
- Advanced **backend** development skills in **Python Django Framework** as I have been developing the commercial web application of a London-based startup company called "Racecheck".
- Enhanced my **front-end** development skills as I have been working with **HTML, JQuery** and **Bootstrap.css** to develop Racecheck's web application.

SOFTWARE DEVELOPER

Mar 2016 – Nov 2018

Amdocs – Limassol, Cyprus

- ☐ Worked within the delivery division of a **leading software and services provider** to world-class telecommunication firms.
- ☐ Advanced **Java** development skills, as I have been working in a **SCRUM team** of 5 people, developing the ordering application of Vodafone Ireland.
- ☐ Learned to **work under pressure**, as I have been **meeting tight deadlines** to deliver working prototypes of Vodafone's ordering application.
- ☐ Have been working extensively with the **REST framework**, as well as designing complex **Oracle** queries.
- ☐ Developed good **troubleshooting** skills, as I had to support Vodafone with resolving software bugs.
- ☐ Appreciated the importance of **test-driven development** in order to minimise software defects.

CLOUD MARKET DEVELOPER

Oct 2014 – Mar 2016

Interoute Communications – London, UK

- ☐ Worked at a **leading networking firm**, which is the owner operator of Europe's largest network and global cloud services platform.
- ☐ Developed **Python, HTML** and **Javascript** development skills, as I had to work in a team of 4 on the development of commercial web applications such as the "Network Map".
- ☐ Worked in an agile **SCRUM methodology** delivering high quality code every two weeks.
- ☐ Had been involved in internal development projects related to **Information Security** like the development of the **audit** system of Interoute's cloud platform.
- ☐ Attended **worldwide events** to promote the potential of Interoute's cloud and increase brand awareness.

EDUCATION

MSC INFORMATION SECURITY

Sep 2012 – Sep 2013

University College London – London, UK

- ☐ **Main Modules:** Cryptography, Computer Security, Information Security Management, People and Security, Systems Requirements Engineering, Information Security Research.
- ☐ **Dissertation:** "A novel authentication solution" – Analysed the security and usability of a novel authentication scheme. Also developed its prototype web application using Java, SQL and JQuery.

BSC COMPUTER SCIENCE

Sep 2009 – Jul 2012

University of Surrey – Guildford, UK

- ☐ **Achieved Upper 2:1 (69%)**
- ☐ **Main Modules:** Software Engineering, Web Applications Development, Data Structures and Algorithms, Databases, Web Applications Security, Mathematical Methods for Computing, Modeling and Simulation.
- ☐ **Dissertation:** "Pass-Maps for Android Smartphones" – Developed a screen-locking Android app based on a novel authentication scheme called "Pass-Maps", using Java and SQL.

PUBLICATIONS

- ☐ Papanicolaou C., Krol K., Vernitski, A. & Sasse, M.A. (2015). **"Too taxing on the mind!" Authentication grids might not be for everyone.** HCI International 2015, 3rd International Conference on Human Aspects of Information Security, Privacy and Trust.

COMPUTING SKILLS

- ☐ **Programming Languages:** Python, Java, BASH, Haskell
- ☐ **Web Development:** HTML/XHTML, CSS, XML, JSON, JSP, JavaScript, WordPress
- ☐ **Databases:** SQL (Postgres/Oracle/MySQL), NoSQL (Couchbase/DynamoDB), Timeseries (Influx)
- ☐ **Version Control:** Git, Subversion, Perforce
- ☐ **Operating Systems:** Mac OS X (10.5+), MS Windows Server/XP/7/8/10/11, UNIX/LINUX
- ☐ **Other Software Suites:** Photoshop CS4+

LANGUAGE SKILLS

- ☐ **Greek** (Native)
- ☐ **English** (Advanced)

INTERESTS/EXTRA CURRICULAR

- ☐ **Technology Enthusiast** – Enjoy reading technology news, especially regarding crypto currencies.
- ☐ **Enjoy traveling** – So far, I have traveled to Greece, England, Ireland, France, Canada, Italy and Spain.
- ☐ **Sports Fan** – Enjoy watching sports, especially tennis and basketball.
- ☐ **Gym Lover** – In my free time, I love exercising at the gym.
- ☐ **BCS Member** – Member of the British Computing Society.