

# Andreas Andreou

## Software Developer

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Highly diverse software developer focused on continuous personal improvement through expanding my existing competence base with new technologies. I prioritise upfront clarity and solid understanding of client requirements so I can deliver functional software and code that is easy to read and maintain.

## Skills

Core	Java, Groovy, JavaScript, React, GIT, Redux, Python, C#, HTML, PHP, AngularJS, jQuery, CSS
Frameworks	Spring Boot, NodeJS, React Native, Hibernate, .NET Core, EF Core, Grails, GORM, Nancy
Architecture	RESTful, Serverless
Cloud Services	AWS, Apigee, Bamboo CI/CD
Database	PostgreSQL, MySQL, Oracle SQL, Microsoft SQL Server, DynamoDB
Testing	JUnit4, Mockito, Jest, Spock, NUnit, XUnit, Mocha, Jasmine, Selenium, Enzyme
Methodologies	TDD, Pair programming, SOLID, Agile, Kanban

## Professional Experience

Current March 2019	<b>Senior Software Engineer, Lovesholidays (Contractor), London - UK</b> <i>Holiday planning site and backoffice support system</i> <ul style="list-style-type: none"><li>➢ Built microservice from scratch for email integration with backoffice in an effort to centralise communications and automatically process replies and sort them to their corresponding bookings</li><li>➢ Improved performance of backoffice by cleaning up the legacy code that was already there</li><li>➢ Support in real time</li></ul> <div>Java 11Spring BootSpring MVC</div> <div>RabbitMQMySQLJavaScriptVelocityKubernetes</div>
February 2019 June 2018	<b>Senior Consultant, ThoughtWorks, London - UK</b> <i>Blockchain-based oil trading platform</i> <ul style="list-style-type: none"><li>➢ Co-owned front end codebase.</li><li>➢ Enhanced incoming request validations with Spring Boot annotations.</li><li>➢ Maintained code quality (refactoring, code reviews).</li><li>➢ Analysed stories alongside business people.</li><li>➢ Set up debugging tools for easier development.</li></ul> <div>ReactReduxJava 8 StreamsNodeJS</div> <div>Spring BootPostgreSQLAWSSolidityDockerBash</div>
May 2018 March 2017	<b>Senior Consultant, ThoughtWorks, London - UK</b> <i>Event Organisation Digital Platform</i> <ul style="list-style-type: none"><li>➢ Collaborated with team to provide a query language for the users of the platform.</li><li>➢ Worked with team to split out the authentication into its own service.</li><li>➢ Assisted with interviewing for permanent personnel.</li></ul> <i>Navigation application for event spaces</i> <ul style="list-style-type: none"><li>➢ Assisted fine tuning the prototype from a previous hackathon.</li><li>➢ Arranged the build pipeline on Bamboo CI/CD Server.</li><li>➢ Showcased and promoted the application in an event.</li></ul> <i>Integration of event organisation platform with client's main system</i> <ul style="list-style-type: none"><li>➢ Co-lead the project.</li><li>➢ Supervised the communication with main system development team to coordinate our efforts.</li><li>➢ Investigated AWS Lambdas, AWS Queues to specify implementation details.</li></ul> <div>NodeJSGraphQLC#React</div> <div>Bamboo CI/CD Server</div> <div>ReduxOAuth 2.0.NET CoreEF Core.NETNancy</div> <div>AndroidGoogle Play Developer ConsolePromisesAsync/AwaitAWS LambdaAWS SQSApigee</div>
February 2017 March 2016	<b>Junior Developer, Leo Tech Consulting, London - UK</b> <i>Bet Exchange Platform</i> <ul style="list-style-type: none"><li>➢ Refactored existing code for core functionality to a simple workflow using a modified Chain of Responsibility Pattern that made it easier to debug and understand.</li><li>➢ Added export capabilities so that the user could get the data and use it as he deemed appropriate.</li><li>➢ Demoed product to clients and took part in the planning process.</li></ul> <i>Online Payment Platform</i> <ul style="list-style-type: none"><li>➢ Collaborated with a remote team in Singapore to deliver new functionality.</li><li>➢ Implemented integration with a local online payment service.</li></ul> <div>GroovySpring Boot</div> <div>AngularJS2GradleMySQLGrails2GORM</div>

February 2016 July 2014	<b>Junior Java Developer, Virtue Fusion, London - UK</b> <i>Online bingo platform</i> <ul style="list-style-type: none"> <li>&gt; Prioritized and resolved production issues raised by clients in a timely manner.</li> <li>&gt; Implemented game logic for new game features.</li> <li>&gt; Cooperated with others to maintain the product using a scrum methodology.</li> <li>&gt; Maintained and updated database according to client requests.</li> </ul> <div> <div>Java 7</div> <div>PL/SQL</div> <div>Hibernate</div> <div>Spring</div> <div>EJB</div> </div>
June 2013 November 2012	<b>Web Developer, Sleeping Sloth, Lefkosia - Cyprus</b> <i>Co-creator of website for reserving sports facilities in Cyprus</i> <ul style="list-style-type: none"> <li>&gt; Designed database schema.</li> <li>&gt; Built database abstraction layer.</li> <li>&gt; Built and implemented API for requests to the back-end.</li> <li>&gt; Implemented login functionality.</li> <li>&gt; Implemented multi-lingual accessibility.</li> <li>&gt; Implemented front-end search functionality.</li> <li>&gt; Communicated with possible customers and discussed functionalities and specifications.</li> </ul> <div> <div>PHP</div> <div>MySQL</div> <div>JQuery</div> <div>HTML</div> <div>CSS</div> </div>

## Personal Projects

Current June 2018	<b>Meeting/Event management app for Android/iOS (PameNa)</b> <ul style="list-style-type: none"> <li>&gt; Implemented back end as AWS lambdas to experiment with serverless architecture.</li> <li>&gt; Proxied lambdas through API Gateway.</li> <li>&gt; Designed database for data storage.</li> <li>&gt; Set up notification system between app instances using Google Firebase.</li> <li>&gt; Experimented with React Native.</li> <li>&gt; Set up scripts to enable deployment.</li> </ul> <div> <div>React Native</div> <div>NodeJS</div> <div>AWS API Gateway</div> <div>AWS Lambdas</div> <div>Google Firebase</div> <div>PostgreSQL</div> </div>
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## Coaching and mentoring

Current December 2019	<b>Continuous remote coaching of career changer through webapp project lifecycle</b> <ul style="list-style-type: none"> <li>&gt; Proposed project and created specification.</li> <li>&gt; Mentorship through implementation in Python using the Flask framework.</li> <li>&gt; Provided guidance on best practices for developing.</li> <li>&gt; Established weekly meeting to discuss current story.</li> </ul> <p>By reviewing and discussing their work I focus on enriching their Python knowledge and teaching developing skills. The end target is to give the mentee an idea on what it means to be a developer and how they work so they can decide if this is an option they wish to pursue once they finish their studies</p>
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## Certifications

2018	Oracle Certified Professional, Java SE 8 Programmer
2017	Oracle Certified Associate, Java SE 8 Programmer

## Education

2013 - 2014	<b>University of Cambridge, Master of Philosophy, Advanced Computer Science</b> <ul style="list-style-type: none"> <li>&gt; Graduated with 70/100.</li> <li>&gt; Performed a comparison of TCP against DCTCP and MPTCP within a datacenter in regards to throughput, latency and queue size for the graduating project.</li> </ul>
2011 - 2013	<b>University of Nicosia, Bachelor of Science, Computer Science</b> <ul style="list-style-type: none"> <li>&gt; Graduated with 3.9/4.</li> <li>&gt; Best Graduate of the year.</li> </ul>

## Languages

Greek	<div><div></div><div></div><div></div><div></div><div></div></div>
English	<div><div></div><div></div><div></div><div></div><div></div></div>