

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 2020	Senior Software Developer, Sky (Contractor), London - UK <i>Provisioning systems</i> <ul style="list-style-type: none">> Support <div>Java 11TDDPair ProgrammingSpring BootSpring MVCMySQL</div>
February 2020 March 2019	Senior Software Developer, Loveloholidays (Contractor), London - UK <i>Holiday planning site and backoffice support system</i> <ul style="list-style-type: none">> 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> Improved performance of backoffice by cleaning up the legacy code that was already there and refactoring it when possible to follow better practices> Refactored backoffice to remove dead code, rearrange module content and organise front end code to make life easier for future developers> Promoted TDD practises and good practices> Support in real time <div>Java 11Spring BootSpring MVCRabbitMQMySQLJavaScriptVelocityKubernetes</div>
February 2019 June 2018	Senior Consultant, ThoughtWorks, London - UK <i>Blockchain-based oil trading platform</i> <ul style="list-style-type: none">> Co-owned front end codebase.> Enhanced incoming request validations with Spring Boot annotations.> Maintained code quality (refactoring, code reviews).> Analysed stories alongside business people.> Set up debugging tools for easier development. <div>ReactReduxJava 8 StreamsNodeJSSpring BootPostgreSQLAWSSolidityDockerBash</div>
May 2018 March 2017	Senior Consultant, ThoughtWorks, London - UK <i>Event Organisation Digital Platform</i> <ul style="list-style-type: none">> Collaborated with team to provide a query language for the users of the platform.> Worked with team to split out the authentication into its own service.> Assisted with interviewing for permanent personnel. <i>Navigation application for event spaces</i> <ul style="list-style-type: none">> Assisted fine tuning the prototype from a previous hackathon.> Arranged the build pipeline on Bamboo CI/CD Server.> Showcased and promoted the application in an event. <i>Integration of event organisation platform with client's main system</i> <ul style="list-style-type: none">> Co-lead the project.> Supervised the communication with main system development team to coordinate our efforts.> Investigated AWS Lambdas, AWS Queues to specify implementation details. <div>NodeJSGraphQLC#ReactBamboo CI/CD ServerReduxOAuth 2.0.NET CoreEF Core.NETNancyAndroidGoogle Play Developer ConsolePromisesAsync/AwaitAWS LambdaAWS SQSApigee</div>

February 2017 March 2016	Junior Developer, Leo Tech Consulting, London - UK <i>Bet Exchange Platform</i> <ul style="list-style-type: none"> > 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. > Added export capabilities so that the user could get the data and use it as he deemed appropriate. > Demoed product to clients and took part in the planning process. <i>Online Payment Platform</i> <ul style="list-style-type: none"> > Collaborated with a remote team in Singapore to deliver new functionality. > Implemented integration with a local online payment service. Groovy Spring Boot AngularJS2 Gradle MySQL Grails2 GORM
February 2016 July 2014	Junior Java Developer, Virtue Fusion, London - UK <i>Online bingo platform</i> <ul style="list-style-type: none"> > Prioritized and resolved production issues raised by clients in a timely manner. > Implemented game logic for new game features. > Cooperated with others to maintain the product using a scrum methodology. > Maintained and updated database according to client requests. Java 7 PL/SQL Hibernate Spring EJB
June 2013 November 2012	Web Developer, Sleeping Sloth, Lefkosia - Cyprus <i>Co-creator of website for reserving sports facilities in Cyprus</i> <ul style="list-style-type: none"> > Designed database schema. > Built database abstraction layer. > Built and implemented API for requests to the back-end. > Implemented login functionality. > Implemented multi-lingual accessibility. > Implemented front-end search functionality. > Communicated with possible customers and discussed functionalities and specifications. PHP MySQL JQuery HTML CSS

Personal Projects

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

Current December 2019	Continuous remote coaching of career changer through webapp project lifecycle <ul style="list-style-type: none"> > Proposed project and created specification. > Mentorship through implementation in Python using the Flask framework. > Provided guidance on best practices for developing. > Established weekly meeting to discuss current story. <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 **University of Cambridge, Master of Philosophy, Advanced Computer Science**
- › Graduated with 70/100.
 - › Performed a comparison of TCP against DCTCP and MPTCP within a datacenter in regards to throughput, latency and queue size for the graduating project.
- 2011 - 2013 **University of Nicosia, Bachelor of Science, Computer Science**
- › Graduated with 3.9/4.
 - › Best Graduate of the year.

Languages

Greek ● ● ● ● ●
English ● ● ● ● ●