Emmanouil Pappas

Senior Software Engineer

Contact

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Languages

Greek: mother tongue
English: advanced

Skills

Languages: JavaScript (ES2020), TypeScript, Python, Groovy, Bash
Back-end: NodeJS, Express, Restify, GraphQL/Apollo, CI/CD, Microservices, NoSQL
Front-end: NextJS, React, Redux, GraphQL/Apollo, Tailwind
Testing: Jest, Mocha, Sinon, Chai, Pytest, SipP, Gatling, BDD (Gherkin, Cucumber)
Monitoring: ELK Stack, FileBeat, Grafana
Infrastructure: Docker, Terraform, nginx, AWS*
AWS: Lambda, API Gateway, S3, CloudFront, IAM, Cognito, Amplify, Dynamo-DB, RDS, Route53, CloudWatch
Other: Agile Facilitator, Project management, Culture focused, Creative thinker, Enthusiastic team spirit

Interests

compete in triathlon
run marathons
basketball
cooking
jazz music
books
traveling

Work experience

Senior NodeJS Back-end Developer *Equals Money* London, UK | Apr 2022–Present

- Designed and developed a role-based access control system, enforcing permissions checks on all API endpoints
- Integrated a 3rd party card system, managing card lifecycle events like activation, deactivation, and card replacement
- Developed a 3DS push notification system for card transactions enhancing security and user experience
- Developed new or improved existing REST APIs across multiple microservices, ensuring optimal performance and scalability
- Increased test coverage by writing unit, integration and E2E tests using Jest and Supertest.

NodeJS Back-end Developer *Vonage (Nexmo)* London, UK | Dec 2016–Mar 2022

- Worked with NodeJS, Python, Scala, Go, Groovy in various projects
- Built Communication (REST) APIs for Voice and Video RTC
- Optimized infrastructure sizing and scaling by performing loadtests to allow faster onboarding of new customers
- Helped team meet high quality standards. One of the main contributor on the way to achieve 99% coverage
- Created a suite of 50+ smoke tests covering multi DC scenarios for services
- Worked on 5+ Healthcheck pipelines with Jenkins, smoke, E2E, stress and load tests using Python, Groovy, Pytest, SipP, Gatling, Gherkin and Cucumber, ensuring their stability
- Optimized logging to improve readability, reduce noise and disk space used
- Developed monitoring and alerting system using dashboards with metrics from over 2000 tests including E2E test suites, regression, smoke and stress tests using ELK Stack and Grafana
- Organised events for engineers with tasks including creating the agenda with tech talks and team projects updates, hosting the event, interviewing-welcoming new joiners and catering

Freelancer Web Developer Heraklion, Crete/Greece | Dec 2012–Nov 2016

- Developed and supported a high-loaded e-commerce websites (30k users daily) / web apps
- Implemented secure payment gateway integration for various projects
- Integrated ERP and CRM systems with e-commerce projects

Education

Master of Informatics Engineering Heraklion, Crete/Greece | Jun 2016
Department of Applied Informatics & Multimedia, Technological Educational Institute of Crete

Bachelor of Informatics Engineering Heraklion, Crete/Greece | Sep 2012
Department of Applied Informatics & Multimedia, Technological Educational Institute of Crete

Extra curricular activities

Web Developer (charity volunteer) *Giatousallous.org* Athens, Greece | Aug 2020–Dec 2020

- Designed and developed from scratch organisation's web app / Trained volunteers
- Implemented secure payment gateways integration with bank
- Integrated web app with CRM to collect information of volunteers and donations data using AWS Lambda functions
- Remain as a volunteering at the organisation being responsible their digital presence

Tour Director at EF (Educational First) *EF Ultimate Break* Athens, Greece | May 2016–Jul 2016

- Completed a 35 days tour around Europe leading a group of 25 people. Organising fun and educational content.

Team Kanban Practitioner (TKP) *Lean Kanban University* London, UK | Jun 2017
Completed training on Business Agility and Kanban including improved collaboration and team Kanban concepts

Udacity & Udemy Courses London, UK | Online Tutorials
Full Stack Developer Nanodegree, AWS Certified Solutions Architect, Docker, GraphQL with React, NodeJS Advanced Concepts