George Dobrin

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Experience

Mobile Engineer
A.P. Moller - Maersk
Jan 2021 - Present (6 months +)

Full Stack Developer
Movinn
Nov 2019 - Dec 2020 (1 year 2 months)
In charge of the development and maintenance of multiple production-level platforms.
- Technical decision-making: strategies to overcome technical debt, API design and integrations, custom-made packages, architectural documentation.
- End-to-end development in the life-cycle of several full-stack and IoT-based software services. Tasks ranged from infrastructure optimisation to actual implementation of new features and bug fixing.

- Laid foundations and implemented CI/CD pipelines with Jenkins
- Creation of software architecture documents for existing and future projects
- Improved code modularity by creating independent, private, self-hosted NuGet packages
- Improved reliability, operability and security for custom IoT project (with ~50-70 live, real connections in production environment). Major milestones:
* Enabled the possibility of nodes to connect via WiFi
* Implemented remote nodes software update (Executed fully-remote from the own Management system)
* Optimised new nodes installation flow by implementing Powershell and Bash automation scripts

- Developed custom-made E-Commerce web-based application with Payment integration. Milestones:
* Performed duties from architectural design to technical stack decision-making, actual implementation based on designs and deployment steps.
* Full-fledged CI/CD integration with multi-branch pipeline, dev/pre-prod and prod environments, weekly production test and push

Technologies used: Raspberry Pi, DietPi, C#, .NET, Microsoft SQL, Linq, Angular, Powershell, Bash, Electron.js, Umbraco CMS, Typescript, AWS, Git, MQTT and HTTP protocols, Jenkins CI/CD, Bitbucket pipelines.

Application Developer
IBM
Jul 2018 - Jul 2019 (1 year 1 month)
- Design & build advanced applications targeted for iOS, Android and web
- Collaborate with cross-functional teams as well with clients to define, design, and ship new features.
- Work with outside data sources, APIs, 3rd party tools and libraries

- Design and implement in-house custom-made libraries
- Bug fixing and improving applications and websites performance
- Creation of proof-of-concepts, shared knowledge sessions, knowledge transfer & delta knowledge transfer sessions
- Develop CI/CD Jenkins pipelines to facilitate builds
- App Store & Google play store app submissions
- Leveraged Google Analytics SDK to understand users' behaviour & act accordingly

Technologies: Javascript, Typescript, Angular, Ionic, Cordova, SCSS & Sass, Java, Git - Atlassian stack, Jenkins (for CI/CD), XCode compilation steps, Google Analytics, Apple App Store/Google Play Store build upload and maintenance.

Major achievements:
- Part of the design, development and release for Maersk's VIMA hybrid (iOS, Android, web) app
- Maersk TruckerLog contributions: PoCs, technical architectural decisions, development and release

Teaching Assistant
The Bucharest University of Economic Studies
Oct 2018 - Jun 2019 (9 months)
Covered C/C++, databases and HTML5 intro courses aimed for high school students at "Ion Luca Caragiale National College Bucharest" as part of teacher training module of University.

Front End Developer
SiSC - Sindicatul Studenților din Cibernetică
Oct 2016 - May 2019 (2 years 8 months)
Part of the IT department of SiSC (University NGO) which develops and maintains websites and applications for organisation's yearly projects.
SiSC's goal is to help students develop their hard and soft skills by organizing either renowned IT-related projects (ITFest, SpringIT) consisting in workshops, hackathons or even lan parties, or charitable projects like "Academia SpErantei". First gripe with front end technologies - HTML, CSS, Git and CSS frameworks (Bootstrap, Materialize).

Application Developer Intern
IBM
Apr 2018 - Jun 2018 (3 months)

Education

IT-Universitetet i København
Master of Science - MS, Computer Science
2019 - 2021
IT University of Copenhagen

Courses: Advanced Programming, Algorithm Design, Security, Practical and Concurrent Programming, DevOps, Internet of Things, Software Architecture, Robotics.

Specialization: Advanced Software Engineering

Thesis: Satellite LoRaWAN nodes (IoT) for low bandwidth human communication

Academia de Studii Economice din București

Bachelor's degree, Economic Informatics

2016 - 2019

Faculty of Cybernetics, Statistics and Economic Informatics - Economic Informatics - English Teaching

Main courses:

Programming Techniques / Data Structures / Object Oriented Programming / Computer Operating Systems / Java Programming / Mobile Devices and Applications Development / Software Quality and Testing / Design of Informatics Systems / Web Technologies

Licenses & Certifications

Cambridge Advanced English - Cambridge Assessment English

Diplôme d'études en langue française - France Éducation international

Oracle Database Design and Database Programming with SQL - Oracle

Oracle Database Programming with PL/SQL - Oracle

CCNA Routing and Switching: Introduction to Networks - Cisco

IBM Agile Explorer - IBM

Google Java Digital Programming - Google

Skills

JavaScript • SQL • Mobile Applications • Flutter • NoSQL • C# • Node.js • Internet of Things (IoT) • React.js • Amazon Web Services (AWS)