

Software Engineer with 6+ years of experience in platform engineering and full-stack development, delivering scalable enterprise solutions

Employment

Software Engineer	Criteo	May 2022 – Present
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- Drove Python ecosystem modernization through technical workshops, comprehensive build systems exploration, and standardized implementation, improving developer experience and reducing build times by 40% across 100+ repositories
- Redesigned legacy monolithic CI infrastructure into a distributed system, implementing scalable build and test pipelines to efficiently handle 2000+ repositories in a virtual monorepo environment
- Led Jenkins infrastructure optimization by transitioning 200+ Linux agents to RAM-based instances, improving CI performance while reducing hardware costs
- Designed and implemented a CLI package release system that aligned with enterprise deployment standards, reducing CLI release complexity and accelerating developer tooling updates
- Pioneered ARM architecture support in CI infrastructure, updating configuration management systems and enabling multi-arch artifacts production

Software Engineer	Capgemini	Nov 2018 – Apr 2022
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- Led full-stack development of a 40k-user web application, from initial architecture to production deployment, establishing reusable code foundations that accelerated team velocity
- Optimized application performance through comprehensive monitoring (Appdynamics, Grafana, Kibana), reducing error rates by 60% and enhancing user experience
- Eliminated regression bugs by implementing and integrating automated system tests with the pipelines
- Engineered a reactive REST server and a GUI client for an XML processing application
- Spearheaded migration of a 200k monthly-user application to ReactJS, modernizing the frontend architecture while improving UX and maintaining system stability

Security Engineer, Intern	Novenci	Apr 2018 – Oct 2018
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- Deployed mobile device management solution for enterprise-wide security and system integration

Software Engineer, Intern	Atos	Jun 2017 – Sep 2017
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- Implemented a real-time vehicle collision prediction system using geofencing for a fleet management platform

Software Engineer, Intern	Sagemcom	Jun 2016 – Aug 2016
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- Automated Set-Top Box firmware generation using Shell scripts, saving more than 1 hour of manual work

Education

Bordeaux	ENSEIRB-MATMECA	Sep 2014 – Sep 2018
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- Master of Engineering in Computer Science
- Double-Degree Program with ENSI Tunis (2014-2016)
- Certificate (Minor): Security Engineering

Tunis	IPEIT	Sep 2012 – Jun 2014
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- Preparatory classes: two-year undergraduate intensive course in mathematics and physics

Proficiencies

- **Programming Languages:** Kotlin, Ruby, Groovy, C#, Python, Go
- **Frameworks & Tools:** Gradle, Chef Infrastructure, Jenkins, Concourse, Kubernetes, Linux
- **Languages:** Arabic, English, French