Goran Rakić

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Relevant Skills

Senior developer with 10+ years of experience programming for the ever-changing web environment.

Specifying, prototyping, developing, and delivering line-of-business web applications connected to backend APIs embracing the microservices architecture.

Polyglot "full-stack" engineer adept at Python, competent at server and client-side TypeScript/JavaScript, some Java experience, skills at related toolchains, popular frameworks and libraries.

Work experience with PostgreSQL, MongoDB and DynamoDB data stores; asynchronous and distributed backend architectures; designing and describing APIs; all up to building React frontends. Solid knowledge of relational databases and data modeling. Interested in encryption, authentication and digital signatures.

Expertise with different AWS services (Lambda, CloudFront, DynamoDB, IAM, CloudFormation...), Cloudflare Workers platform, and a limited past experience with GCP.

Understanding theoretical computer science concepts, common data structures, algorithms and algorithmic complexity. Exceptional at picking new industry domains, at ease in understanding user and business requirements. Willing to work with the legacy code or integrating existing systems.

Able to develop a basic scripting interpreter in a day. FLOSS and open standards supporter.

Work experience

Webinterpret SAS → Glopal SAS
2017 - present, remote, full time.

Principal Developer at Glopal (spin-off from Webinterpret), responsible for a highly customizable real-time e-commerce web translation proxy, the engine used to translate and localize 100s of storefronts. Delivering new features in a team of six while keeping out-of-box compatibility with the latest web trends and evolving e-commerce platforms (Shopify, BigCommerce,...). TypeScript, Lambda, CloudFront.

Starting at Webinterpret, taking the Tech Lead role in a team of eight, responsible for the company's hosted checkout product and related Python-based backend services. Python, RabbitMQ, PosgreSQL, MongoDB, GitLab CI.

Still enjoying writing code every day, but also working closely with stakeholders and project managers, providing technical input to reach the vision and enable merchants of all sizes to grow internationally.

- Executing full rebuild of the web translation proxy product increasing store onboarding efficiency through better compatibility, developer friendly tools and improved processes
- Simplifying Checkout integration, removing a need for product inventory synchronization
- Enabling more continuous delivery in the existing agile workflow
- Learning heck of things, creating howtos on technology-zoo used, technical documentation on new and existing features, "boxes-and-arrows" and sequence diagrams, etc. and other to facilitate communication and collaboration

Self-employed software developer and technology consultant
2008 - present, Working on short and mid-term projects mixing domains and technologies (e-commerce, payments, authentication and non-repudiation implementation). Sample projects:

- Service catalog with usage billing and invoicing (Python, Flask, Celery, SQLalchemy),
- App for accessing Serbian eID smart-card from a web browser (Java, Smart Card I/O, JavaScript),
- GNU/Linux server audit and reporting tool (C, POSIX API, threading),
- Ruby bridge for calling Matlab code compiled into a C library,
- Many "line of business" type of web apps, crawlers and scrapers, data integration services, reporting tools etc. (PHP, Python, JavaScript)

Codementor platform, mentoring and custom development
2015 - 2016. Working as an on-demand "problem solver" freelancing on the Codementor platform. Extended-time mentor for several Andela engineering talents in training, helping them grow and practice.

Ministry of Trade and Telecommunications, Republic of Serbia
2014. Accreditation commission member in the process of granting qualified status to the E-Smart Systems d.o.o. certificate authority (Trusted Service Provider), one of six approved CAs for issuing qualified digital certificates for e-Signature in Serbia. Evaluating policy and practice documents and required technical capabilities.

Telenor Serbia d.o.o. / Qualysoft, Software developer
2011 - 2012, full time. Working in a team of contractors designing the Local Product Catalog for the major telecom provider. Developing data model following the SID Information framework. Responsible for building the PHP frontend web application talking SOAP with the Java backend.

Ministry of Telecommunications and Information society, Republic of Serbia
2010 - 2011, part-time. Drafting technical specifications for public procurements of a central e-Identity Provider and Document management and archiving system. Working on policy and practice documents enabling the first registered trusted time stamping authority in Serbia.

LibreOffice contributor, OpenOffice.org Serbian native-language project lead
2008 - 2010. Leading a team of community members on a project supported by the Faculty of Mathematics in Belgrade. Managing the localized software releases and language related add-ons. Managing the project website and moderating local tech support web forum.

Petnica Science Center, Astronomy department, junior assistant
2005 - 2009. Teaching high-schoolers concepts of numerical analysis and scientific computing.

Education

The Faculty of Mathematics, University of Belgrade
2004 - (incomplete). One out of 28 exams left, having GPA 8.8/10.0,
Computer Science and Mathematics (combined bachelor and master studies).