

Nathaniel Baylon

Senior Software Engineer

Highlights

- Six years of full stack engineering: RESTful backends, single page applications, database design and admin, messaging, and CD/CI using the latest technologies.
- Extensive experience working in agile teams and working remotely.
- Excellent communicator and team player.

EXPERIENCE

Healytics Inc, Baltimore, MD — *Senior Software Engineer*

June 2017 - Present

- Created and maintained a suite of HIPPA compliant health data storage, messaging, and research applications that integrate directly with Electronic Health Records (EHRs).
- Researched, designed, and developed a genomics processing pipeline that helps medical institutions identify genetic variants, detect diseases, and avoid adverse drug-gene interactions.
- Transformed and maintained a messaging platform based on Rocket.Chat, created bots to help departments within health institutions respond to messages.
- Responded to help desk tickets and feature requests from medical institutions.
- Developed tooling to manage internal control processes and deployments.

Dotru Inc, Columbia, MD — *Full Stack Software Engineer*

May 2016 - May 2017

- Maintained a headless web scraper that visits websites, performs clicks, and extracts data using CSS selectors.
- Built a RESTful application that assists in configuring the steps that the web scraper takes and the locations of the data of interest to be extracted.
- Used a RabbitMQ work queue to encapsulate and execute scraping tasks.
- Configured the scraping of hundreds of web pages.

SBD II LLC, Vienna, VA — *Software Engineer*

May 2015 - March 2016

- Developed a variety of Sharepoint workflows to expedite employee training module completion.

SKILLS

Communication

- Consistent and frequent communication with team members and supervisors.
- Clear and detailed explanation of work, rationale, and thought processes, to technical and non-technical stakeholders alike.
- Ability to understand customer needs and translate them to requirements, design, development, and deployment.
- Quick communication of blockers to the rest of the team and providing assistance to team members whenever possible.

Organization & Design

- Design of object oriented solutions, restful APIs, database schemas, and systems.
- Test-driven development approach: thorough unit testing for every task.
- Clean, maintainable code and consistent documentation.

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<https://natbaylon.com>

GitHub

<https://github.com/bnat1>

TECHNOLOGIES & TOOLS

Languages / Runtime Environments:

JavaScript, Node.js, Java, C++, Python, Bash, Sharepoint, Visual Basic, HTML, CSS, JSON,

Frameworks & APIs:

Express, React.js, Angular.js, RabbitMQ, Twitter Bootstrap, Semantic UI, Phantom.js, Mocha, Junit, Flask

Databases:

PostgreSQL, MySQL, MongoDB, Accumulo

Tools:

npm/yarn, Apache Maven, pip, SaltStack, Docker, Jenkins, git, Bitbucket, GitHub

Deployment Targets:

Linux, AWS (EC2, Elastic Beanstalk), Apache Tomcat, JBoss

EDUCATION

B.S. Computer Science:

UMBC 2017

Awards:

2nd place winner of hackUMBC 2016 hackathon

LOCATION & LANGUAGE

- US Citizen currently based in Granada, Spain
- Native English Speaker with an upper-intermediate level of Spanish
- Three years of working remotely as an integral team member