Charles "Charlie" Meyers

cpm@chazmeyers.com ❖ (215) 346-6507 ❖ Media, PA ❖ charliemeyers.com

WORK EXPERIENCE

DMI
Sr. Backend Developer

March 2024 – Present
Tyson's Corner, VA (Remote)

- Wrote and maintained Rails application that speaks to Angular and Vue and connects to a wide variety of proprietary integrations
- Lead team of Backend Engineers responsible for integrations with specific partners
- Serving product/scrum roles for aforementioned team
- Technical point person when speaking with partners regarding technical integrations
- Assisted with running technical interviews for Backend positions
- Advocated for improved processes for project management and testing
- Onboarded new developers

VisitDays
Sr. Backend Developer

September 2018 – January 2024
Wayne, PA

VisitDays is a technology company who creates SaaS products for Higher Education Admissions and prospective students.

- Wrote and maintained JSONAPI web services in Rails. Monolith expanded to service 5 SPAs written in different frameworks and consisted of 400+ models.
- Went from concept to production of a completely new product line in three months when Admissions switched to virtual workflows because of COVID
- At peak, handled 2 million requests/minute, average response time of 48ms
- Created and maintained deep integrations custom to specific client CRMs, including Salesforce and Slate
- Integrated with many third party services including Twilio, Auth0, Metabase, Nylas, Stream, Whereby
- Worked closely with product and design teams to define scope of all features
- Privately forked several public gems as they became unmaintained over time
- Added full-stack section of the monolith to create quick internal tools without needing product, design or FE team involvement
- Managed a four person team of Backend Developers
- Ran interviews and worked closely with the CTO on all hiring decisions
- Established code quality standards by enforcing automated testing
- Before: there was no documentation. Now: there is automatic OpenApi 3.0 documentation for all new endpoints
- Before: the testing suite did not pass, had many broken and flaky tests, and had ~30% coverage. Now: there is 68% coverage, no flaky tests, and tests must pass before code goes to prod.
- Introduced service objects to reverse existing practice of deeply interconnected AR lifecycle callbacks
- Increased deployment confidence and reduced customer incidents.
- Onboarded and mentored team members, especially ones with Jr levels of experience.
- Built libraries to DRY up common patterns without losing flexibility
- Added DSL to all serializers (AMS, fast_json, JSONAPI::Serializer) to perform output type coercion to prevent subtle FE bugs
- Introduced service objects to reverse the existing trend of nested AR lifecycle callbacks
- Added DSLs and concerns to make common CRUD controllers more DRY and consistent
- Defined detailed specifications for BE team

- Collaborated with FE lead to define data contracts
- Evaluated and advised on purchases that impacted BE

ReppertFactor   June 2003 – September 2018
Software Developer   *Bensalem, PA*

ReppertFactor is an IT company that specializes in establishing Windows-based networks for small businesses, complete with a local ActiveDirectory and Exchange, as well as providing tech support for any issues client employees might have. Note: Was contractor June 2003 - January 2009 and a full time employee January 2009 - September 2018.

- Built a full stack web-based client portal in Rails 0.9 and was upgraded through Rails 5.x as a solo developer. This portal was the life-blood of the company and allowed them to stay primarily in PA with fewer than 20 employees yet service companies throughout the contiguous 48 states.
- Defined and implemented a custom encrypted TCP-based protocol to an existing in-house .NET service that ran on client networks to allow customers to perform certain actions such as onboarding an employee without giving full Administrative access. This happened in collaboration with the .NET contractor who created the service.
- Built a job queue and server that could execute arbitrary inline ruby blocks using code introspection and EventMachine. This was necessary because good job queues didn't exist yet for ruby and core ruby TCP bindings didn't perform well with blocking sockets.
- Wrote robust support ticket system tailored to the company's specific business needs, including multi-tenant permission levels for priority and volume, notification of incoming tickets, and automatic assignment based on territory
- Performed all system administration tasks on Linux to support our web applications
- Modified and reverse engineered a commercial perl web application we purchased and hosted locally to add requested features
- Built simple websites for clients, including requirement elicitation, design, and implementation in some combination of HTML, PHP, and/or WordPress
- Created simple one-off webapps for internal usage in Rails.
- Assisted with choosing technologies, services, and purchase decisions

Temple University School of Dentistry   January 2007 – January 2009
Contractor   *Philadelphia, PA*

- Built software to automate and manage student assignments to clinic rotations in VB.NET and ruby.
- Ported legacy in-house Java/Oracle applications to PHP which could no longer be maintained because they depended on commercial closed source Java libraries that no longer exist.
- Created a web-based PTO system for employees with built-in tailored rules regarding department hierarchy and covering shifts in PHP.

EDUCATION

Temple University
BS, Computer Information Sciences (Incomplete, 127 credits)   *Philadelphia, PA*

SKILLS

Rails, Ruby, JavaScript, CSS, Perl, PHP, Python, C#, Java, C++, C, git, svn, MySQL, PostgreSQL, SQLite, Scrum, TDD, RSpec, Sidekiq, AWS

INTERESTS

- **Interests:** performing and directing in local theater; games of all sorts