Matthew C Brumagin

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Summary of Qualifications

Senior Software Engineer with a background in full-stack, cloud hosting, and polyglot microservices. Expertise in AWS, EKS, and GitLab CI, with a proven ability to lead projects that enhance scalability and developer productivity. Seeking a role within an organization looking to expand or modernize web/SaaS/DevOps capabilities.

Professional Experience

Senior Software Engineer | Accusoft | Tampa, FL   Dec 2015 - Aug 2025

- Deployed and maintained several in-house Docker images to EKS/EC2.
- Hosted Prizmdoc Viewer/Application Services, OCR/Barcode demos, and more.
- Migrated dozens of legacy services from Teamcity/EC2 to GitLab CI w/ EKS.
- Cut deployment time in half; improving infrastructure cost/efficiency.
- Pivotal in the creation of a Braintree e-commerce system (Node.js).
- Supported multiple in-house product billing systems, w/ ~10k+ users/accounts.
- Took ownership of the cloud portal & admin React projects, extending features.
- Assisted with a company-wide CRM migration of ~40k+ accounts to Salesforce.
- Our team was the first to implement Prometheus/alerting/PagerDuty rotation.
- Led the design and implementation of our Redis cache module.
- Reduced usage authorization and subscription update times by ~90%.
- Optimized API test runtime from ~40min to ~4min with a custom runner.
- Created a multi-error validator module to decrease app/test debugging time.
- Created an SQS testing helper for message isolation during development.
- Served as a cross-functional Engineer & Scrum Master for several years.
- Met with other leaders to foster better processes and agile company culture.

Software Engineer II | Greenway Health | Tampa, FL   Aug 2013 - Nov 2015

- Worked on new (C#/.NET) and existing (Java/Spring/JSP) patient portal systems.
- Instrumental in the KT for two legacy portal systems after Vitera was acquired.
- Migrated over a million patient records for ~70k+ healthcare providers
- Helped deliver a meaningful-use compliant system and passed 3rd party audits.
- Collaborated with offshore engineers on backend portal system implementation.
- Designed a C# async API for non-blocking client requests and events.

Technical Skills

Programming Languages
Expert: JavaScript | TypeScript | C# | Java | Python
Advanced: Golang | C/C++ | SQL | Bash/Sh | Scala | Clojure | Groovy
Intermediate: F# | Kotlin | Ruby | Rust | Swift | Dart | Haskell

Frameworks & Libraries
Node.js | React | React Native | Redux | Angular | Express | Restify | Prisma
Sequelize | Jest | Mocha/Chai | Spring | Hibernate | JUnit | .NET Core
Entity Framework | NUnit | xUnit

Cloud Platforms & Services
AWS | EKS | EC2 | Lambda | RDS | SNS | SQS | CloudFormation | IAM
CloudWatch | ElastiCache | S3 | DynamoDB | GCP | GKE | Azure | OpenStack

Infrastructure & DevOps
Docker | Kubernetes | Terraform | Helm | Prometheus | Alertmanager
Grafana | GitLab CI | TeamCity | CircleCI | Jenkins | MaaS | Juju

Databases & Storage
MySQL | PostgreSQL | SQL Server | Redis | Elasticsearch | DynamoDB
MongoDB | Cassandra

Collaboration & Tools
Git/GitLab/GitHub | GitLab Issues | Jira | Trello | Slack | Google Workspace

Personal Projects

Microservice Framework   *https://github.com/mcbrumagin*
- Improving *micro-js* & *micro-js-html*; zero-dependency JS server/client modules.
- Includes a custom logger, cascading cross-service http-errors, and registry/ALB.

Portfolio Website   *https://mcbrumagin.com*
- Proved the framework's simplicity by enabling an AI assistant (Claude) to generate a working prototype from scratch with only *micro-js* & *micro-js-html*.

SoundClone
- Actively working on a SoundCloud "clone" with basic recording built-in.
- Replaces my phone's voice memo app and SoundCloud for hosting demos.

Education

Bachelor of Science in Electrical Engineering | Minors in Software & Mathematics
Clarkson University | *Class of 2013*