

# *Timothy R. Gosnell*

## *Engineering Leader*

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### **EXPERIENCE**

#### **WidgetMind - Freelance Software Engineer/Architect**

- Consult with clients on business needs
- Architect software systems in AWS and using NodeJS and other Microservices
- Create software using JavaScript, Python, Go
- Leverage AWS ecosystem ECR, ECS, DynamoDB, API Gateway, Lambdas
- Used Docker and Kubernetes for container deployments and CircleCI and Jenkins for CI/CD

#### **TechStyle Fashion Group - Engineer Manager - 3/18 - 8/18**

- Worked across the business with leaders from all areas.
- Built a team of engineers (devops, software, test) from the ground up to build cloud based (AWS) microservice (containers, ECR, ECS) and microserverless (Lambda) solutions built out using other services such as Elasticache, Elastic Search (not full ELK), DynamoDB, API Gateway, SQS, SNS, and Redis.
- Led my team to leverage CI/CD AWS technologies such as Code Pipeline, Code Deploy, Cloud Formation to facilitate code deployment from engineering push to production deployment
- Delivered microservice and microserverless solutions which created cost saving, reduced time to implementation, and allowed the business to adopt a more flexible technology strategy
- Defined backlog, collaboratively identified assignments, gathered input from stakeholders, performed scrum master duties (including organizing agile ceremonies, backlog grooming), in addition to growing, mentoring, grooming my team, and contributing code as needed.

#### **ThinkTank - Director/VP of Engineering - 7/16 - 7/17**

- Worked closely with executives, product management, quality assurance, and design leaders
- Grew 20 engineering staff from 5 to 25 which allowed us to build four plus distinct feature sets in parallel
- Spearheaded moving to continuous delivery (CI/CD) infrastructure and processes allowing us to deliver the product multiple times a week
- Defined strategy of migrating product to new technology platform enabling end of life of an unscalable legacy product and tripling of sales
- Provided guidance for application architecture in JavaScript and Typescript using AngularJS 2/4, Material-ui, and websockets facilitating a modern web experience in the new product.
- Contributed to and oversaw architecture of microservices infrastructure in the cloud (AWS, NodeJS, API Gateway, GraphQL, Kafka, ELK) which underpinned the new product's scalability
- Contributed to codebase as possible (more with the small team, less with the large team)

#### **EffectiveUI - Technical Director - 6/14 - 7/16**

- Managed project engineering teams building applications for clients allowing us to drive revenue
- Architected and implemented modern technology implementations for clients including CI/CD migration efforts, microservices architectures (Node, Go, Python), and many SPAs in many modern MVW JS libraries (Angular, React, Angular 2, Vue, Backbone)
- Championed continuous integration/deployment (CI/CD) and rigorous testing

- Wrote code to shepherd projects to completion as needed
- Lead client workshops on modern web practices and architecture
- Authored white papers to promote industry thought leadership on behalf of the business

**Magpie Software – Engineering Manager - 10/12 – 6/14**

- Guided projects teams and managed technical projects
- Architecture for SPAs (Angular, Knockout + custom) and mentored project teams on Java, JavaScript, HTML5, CSS3
- Partnered with design team on design and implementation
- Help set and pursue team goals such as code reuse, refactoring where it makes sense, code encapsulation, cost reduction, and minimizing story points

**Consultant - 04/12 - 09/12**

- Neteffects - Reworked benefits enrollment web application - JavaScript, CSS, HTML
- Inventive Technologies - Designed, implemented, tested, and delivered custom JS MV? Framework and an SOA in Grails and Groovy using CI/CD techniques

**Quest Software - Software Engineer III - 08/07 - 01/12**

- Designed, created, tested, and delivered JavaScript Instrumentation, JavaScript parser, and added modern web application replay to Quest’s web replay system (Java, JavaScript)

**SANZ - Lead Web Engineer - 11/06 - 07/07**

Led team in delivering custom e-commerce web application - Java, JavaScript, HTML, CSS

**Mediamyr - Founder/CTO - 03/06 - 10/07**

Architected and implemented loud media storage and playback application using original JavaScript framework providing AJAX, data binding, and event delegation

**Consultant - 11/05 - 11/06**

- McKesson - Led junior engineers on team to stabilize a Java web application
- ADP - Led effort to streamline Java Web Application into reusable components and mentored team in the use and integration of those reusable components

**Computer Research - Lead Java Engineer - 04/03 - 11/05**

Led team creating Java web services and applications integrated with legacy applications - Java, HTML, JavaScript

**Consultant - 03/02 - 04/03**

- Sun Valley - Created e-commerce site. <http://www.surrattfarms.com/> ASP, MSSQL, JavaScript, HTML, CSS.
- American Express Travel - Designed and built unified data platform for travel data with Java, Java XML,, MySQL XML, XSLT, and XSD.

**Digital Creators - Software Engineer - 02/99 - 06/01**

Created applications for clients using ASP, PHP, Java, JavaScript, HTML, CSS, MSSQL.

**EDUCATION**

- **University of Colorado at Denver** - Graduated December, 2012. **Master of Business Administration**, Business Development and Entrepreneurial emphasis.
- **University of Colorado at Denver** - Graduated May, 1997. Bachelor of Arts, **English Writing**. Member Sigma Tau Delta International English Honor Society.
- **University of Colorado at Denver** - Graduated May, 1997. Bachelor of Arts, **German**. Studied one year abroad in Oldenburg, Germany.