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## SUMMARY

**Senior Software Engineer** and **Product Architect** who has designed and built systems that you know. New cool and old school! Tech profile includes Perl, PHP, Python, C, Flask, OpenAPI, Swagger, Laminas, ElasticSearch, Logstash, Kibana, Kubernetes, AWS, SQL Server, PostgreSQL, microservices, monolithic, cloud, distributed.

## EXPERIENCE

**Vindicia, an Amdocs Company; Remote** **2022 – 08/2023**  
Software Development Specialist

**Tech: Monolithic payment processing platform written in Perl using PostgreSQL running in AWS, with portions of the processing being handled by microservices written in Python**

- Wrote complex Perl scripts to identify and correct error conditions that used to require significant manual intervention by support staff.
- Implemented bug fixes in the Perl monolith portion of the service.
- Wrote extensive documentation on how to manually correct error conditions.
- Provide support for internal consumers through SQL queries and searching log files via ElasticSearch, Logstash, and Kibana; performance tuning of SQL queries.

**Advanced Information Management; Schenectady, NY** **2017 – 2022**  
Senior Software Engineer

**Tech: Legacy monolithic order management system written in PHP/Laminas using MySQL running on an internal Kubernetes cluster; migrated portions of the system to microservices written in Python, Flask, RabbitMQ, MySQL.**

- Helped implement Agile-like software development practices, including daily standups; developed and enforced coding standards.
- Documented product APIs using OpenAPI/Swagger.
- Improved product performance by carving functionalities out of the monolith and into scalable microservices.
- Implemented a SQL patch deployment system in Python.
- Taught other developers how to use Bash scripts/cron for efficiently scheduling jobs.

**GridApp Systems (acquired by BMC Software in 2010); New York, NY** **2007 – 2017**  
Product Architect

Senior Software Developer

**Tech: Central control server process implemented in Perl/C communicating via SOAP to client Perl/C processes on target hosts; product installed and patched database server software (Oracle, Microsoft SQL Server, SAP/Sybase ASE, SAP Sybase Replication Server, IBM DB2, MySQL) in a heterogeneous distributed environment.**

- Primary responsibility for the product's ability to install and patch Microsoft SQL Server, SAP/Sybase ASE, SAP/Sybase Replication Server, and IBM DB2 (I was intimately familiar with the installation and patching procedures for each of these databases).
- Designed plugin architecture to allow customization of the product's behavior on a customer-by-customer basis; carried the primary responsibility for maintaining the plugins used by customers.
- Architected and planned development of new features for each product release.
- Help implement Agile-like software development practices; developed and enforced coding standards.

## **Packy Anderson, Senior Software Engineer and Product Architect**

**Bank of America**; Albany, NY

**2002 – 2007**

Perl/C Developer

**Tech: Perl, ESQL/C, Informix; ActiveState Perl, Informix, Microsoft SQL Server**

- Worked on systems for remittance processing of tax returns for the IRS, the New York State Dept. of Tax and Finance and the New York City Department of Finance.
- Developed new code to process data collected on behalf of its clients.
- Maintaining and modified existing programs in Perl and C.
- Reviewed Perl code for adherence to corporate coding standards.

**Information Management Group**; Albany, NY

**2000 – 2002**

Senior Software Developer

**Tech: Perl, ColdFusion, Oracle, Microsoft SQL Server**

- Developed software for IMG and various clients.

**New York State Thruway Authority**; Albany, NY

**1989 – 2000**

Public Information Technology Specialist, Department of Public Affairs

(1997 – 2000)

**Tech: Apache, Perl/CGI**

- Continued to design and develop the WWW presences for the NYS Thruway and the NYS Canal Corporation hosted on an internal Apache sever using Perl for dynamic content generation.
- Evaluated and deployed various technology for communicating with the Authority's public customers.

Senior Computer Programmer/Analyst, IT Department

(1989 – 1997)

**Tech: Apache, HTML; C / SCO Unix; VMS; Ultrix, NFS, NIS+; Clipper**

- Designed and developed the first WWW presences for the New York State Thruway and the New York State Canal Corporation.
- Supported a 1000+ node PC network (DEC Pathworks) and administered the Thruway's WAN, including a 4 node VMS cluster that provided file, print and database services to a WAN, and administered Intergraph and DEC workstations running Unix (CLIX and Ultrix).
- Developed C code (SCO Unix) as part of a state-wide project to modernize the toll data collection system.
- Developed and/or supported various applications for Department of Engineering Services using Clipper (a dBase compiler) under MS-DOS.

### **EDUCATION**

BS in Computer Science with Honors, **Russell Sage College**; Troy, NY – 2000