# Graham Pople

Scala // Java // Web // C++ Developer

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|  | <https://www.github.com/programmatix> |
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Senior programmer with 14 years+ experience, including 4 years working on Scala, Java and web development, and 10 years C++.

Please checkout [my demo site](http://programmatix.github.io/Words/projects) to see my more interesting recent projects.

## Competencies

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| Backend (Core) | Scala, Java, C++, SQL (Postgres) |
| Backend (Some) | Spring Boot, C#, C, Fortran, Hibernate, Python |
| Web (Core) | ScalaJS, Javascript, Typescript, Stylus, CSS, Thymeleaf |
| Web (Some) | Angular, Grails |
| Frontend | ScalaFX/JavaFX, GTK |
| Devtools | ScalaTest, JUnit, IntelliJ, Mercurial, Git, SVN, Linux command line |

## Experience

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| April 2014  August 2010 3.5 years | Senior Software Developer  Bloomberg LP: Tech-driven finance company  C++, Javascript, Fortran, Jenkins, Finance |
| August 2010  2003  7 years | Software Engineer  Aculab Plc: Telecomms company  C++, Python, Telecomms |

## Mindset

I feel I can help your team and business as I:

Am comfortable doing full-stack development in a variety of languages, including architecting and building complex multi-threaded backends in both a monolithic and microservices style, and building dynamic UIs.

Am language-agnostic, always keen to learn and use whatever tools are most appropriate to solve the problem. I have a wide range of experience across a lot of languages and techs.

Have many times taken a product or feature through the full software lifecycle. From clarifying initial client/business requirements, to working out the architecture and risks, working with others to make it a reality including building parts or the whole myself, unit testing and continuous integration, following up with the stakeholders and iterating until everyone's happy.

Am a lover of unit testing and continuous integration – but also know when it's appropriate (while adding a feature to a stable product: good, during rapid initial protyping: not so great).

Have a sensible, business-minded approach to software development. Keep it simple, avoid initial feature creep, release early (when appropriate), iterate, and stay agile.

Have a focus on clean, readable code, using a pragmatic mix of OOP and FP.

Know how to fix the hard stuff. I've plenty of experience optimising with Yourkit, and I've built a JVM and a classfile analyser so I know my way around low level JVM. And, the experience to help debug and avoid issues in the real-world (give each threads UUIDs and use them in logs, etc.)

My PM approach was loosely based on Agile, keeping a focus on rapid iteration and client-contact, plus short daily standup meetings to quickly identify blockers, but without a dogmatic adherence to set-length sprints which wouldn't have worked with so many backends.

Have plenty of server maintenance and devops experience, including database migrations and maintenance, managing JVMs, and all that good stuff.

Work great both independently and in teams. I've mentored junior colleagues and generally shared tips and tricks with colleagues – while learning from others.

## Education

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| 2000-2003 | University of Warwick  BSc in Computer Science, 2(i) |
| 1993 - 2000 | Helena Romanes School, Essex  A levels - Mathematics A, History A, Physics B  A/S Level - Further Mathematics A, English Language A |

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